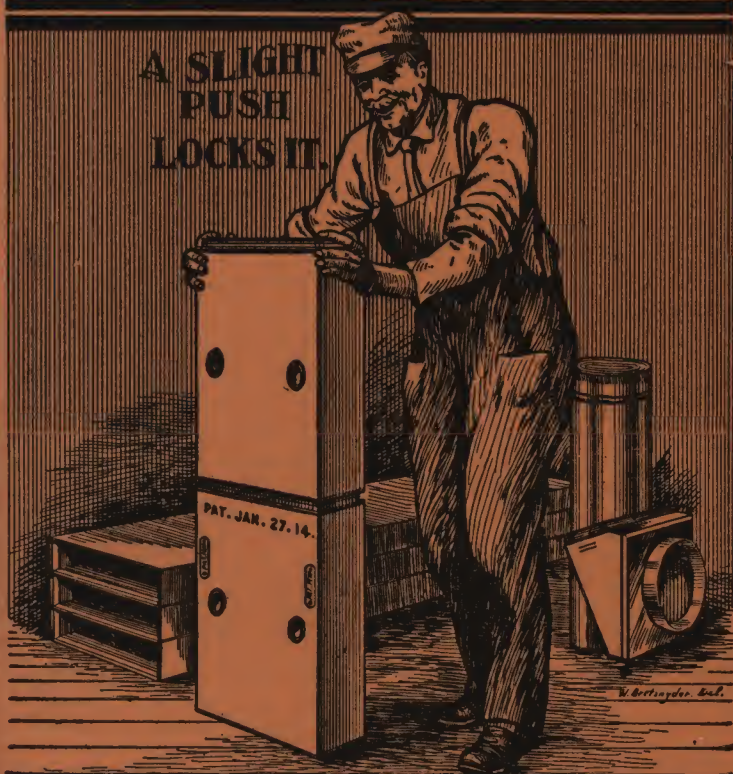


CATALOG No. 7 J

# EXCELSIOR HEATING SPECIALTIES



**THE EXCELSIOR ALWAYS.**

**HALL & CARPENTER**

518-520 RACE STREET

PHILADELPHIA,

PENNSYLVANIA



No. 7 J

EXCELSIOR  
HEATING SPECIALTIES

MANUFACTURED BY

THE EXCELSIOR  
STEEL FURNACE CO.

A. W. GLESSNER, PREST.

C. E. GLESSNER, VICE PREST.

H. C. GLESSNER, TREAS.

A. B. GLESSNER, SECY.

J. J. HOLUB, SUPT.

OFFICE

114 TO 118 SOUTH CLINTON STREET.

SEVENTH FLOOR.

CHICAGO.

CANAL POSTAL STATION PHONE FRANKLIN 8120

FACTORY

1224 N. HOOKER STREET.

NEAR DIVISION AND HALSTED STREETS.

Excelsior PRICES are sometimes equalled but Excelsior  
QUALITY never.

PRINTED BY  
THE GAZETTE, GALENA, ILLINOIS.  
CATALOG AND BOOK PRESS

Excelsior Furnace Pipe costs less installed than any other make.

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## FURNACE SUPPLIES

Asbestos Paper  
Asbestos Cement  
Asbestos Paste  
Damper Clips  
Furnace Chain

Furnace Pulleys  
Furnace Brushes  
Annealed Wire  
Sheet Metal Screws  
Tank Heaters

## EXCELSIOR FURNACE AND RADIATOR PAIL



## MILLER MALLETS



Mallet No.	Size, inches	Weight without handle oz.	Total length of handle inches
8	2 x 3 1/2	8	11
16	2 1/2 x 4 1/2	16	12
24	2 7/8 x 5 1/8	24	14

Strong, sturdy construction with spout re-inforced by band iron which also forms the NON-SLIP fingers. Capacity 3 gallons.

Almost impossible to pull the handle off or to damage the spout. Will last a life-time.

See Excelsior quotation sheet for prices on the above,



## To Furnace Dealers:

---

Owing to some changes in lists please preserve this catalog and destroy previous issues that you may have.

We call attention to the Excelsior line of Aluminum Pipe and Elbows (see third page of cover) for which there is a large and growing demand due to the rapid growth of gas heating and the demand for greater beauty and durability in American kitchens. You will find it profitable to stock the same.

Patented Non-Vented Self-Locking Excelsior Double Wall Pipe marks the last step in the perfection of this article. Careful tests demonstrate that it is eight (8) per cent more efficient than ventilated Double Wall Pipe and thus assures a definite saving in fuel consumption. Furthermore its greatest saving is accomplished with air at a comparatively low temperature which is greatly to be desired in fall and spring heating and during the moderate days of winter when a light fire only is needed.

It is not air circulation or ventilation that is required between the inner and outer walls of the pipe but INSULATION. An absolutely dead air space between the walls, without air circulating between same, is the best insulation and consequently Excelsior Self-Locking Double Wall Pipe thus equipped is unquestionably the most efficient.

In conjunction with Excelsior Frictionless Boots the installation of self-locking (patented) Excelsior Double Wall Pipe insures the delivery of the greatest possible number of heat units to the rooms to be heated.

Excelsior Double Wall Pipe is not only the most efficient but is the most economical for you to handle owing to the small amount of labor required for its installation.

Notwithstanding the superiority of Excelsior Furnace Pipe and Fittings the same are sold on a competitive basis and we invariably meet prices which are made on other lines several of which are manufactured from much lighter material than used in our product.

In view of the facts presented on page 5 to which your attention is called we hope that you will install Double Wall Pipe exclusively and thus increase the efficiency of warm air heating.

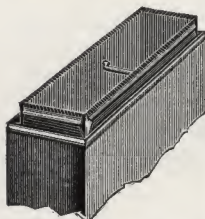
Our Engineering Department is constantly studying the needs of the Furnace installer in an endeavor to produce new and better goods in order to reduce the cost of Furnace and Furnace Pipe installation. Two recent improvements are shown on page eight to which your attention is particularly directed.

# EXCELSIOR SELF LOCKING DOUBLE WALL PIPE

Patented January 27th, 1914. No. 1,085,303.

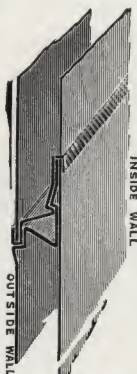
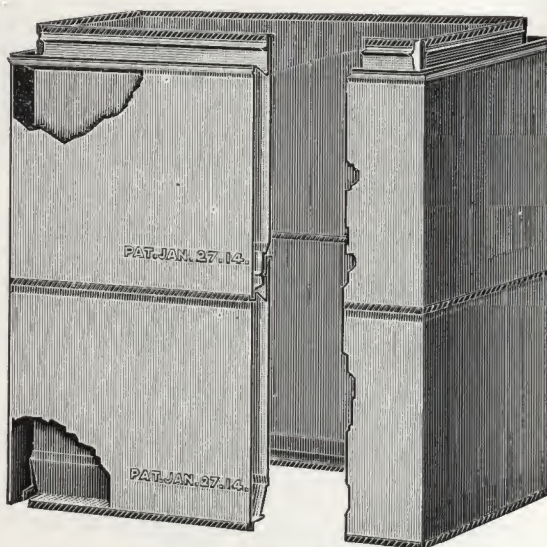
Possesses the following points of superiority:

- (1) HAS ONE TONGUE ONLY, which permits the assembling of the sections with great rapidity—reducing labor to smallest possible minimum.
- (2) LOCKS AUTOMATICALLY AND PERMANENTLY, thus doing away with the use of solder and effecting a large saving in the cost of installation.



Method of bracing Excelsior Double Wall Pipe.

Patented Nov. 16, 1915.  
No. 1,160,202.



Cut Showing Lock.

(3) SEPARATION IS ABSOLUTE in every section insuring a non-collapsible Pipe under any and all conditions, thus overcoming completely the objection to single-tongued or wedge Pipe as heretofore made.

(4) EXCELSIOR SELF-LOCKING DOUBLE WALL PIPE is 8 per cent more efficient than ordinary double wall Pipe owing to the fact that it is Non-vented.

(5) EXCELSIOR SELF-LOCKING DOUBLE WALL PIPE complies with all requirements of the Underwriters' Laboratories, Inc., which tested Excelsior Double Wall Pipe and recommended its installation by furnace dealers.

(6) EXCELSIOR SELF-LOCKING DOUBLE WALL PIPE is the only Pipe which is furnished with a plaster clinch. See cuts on page six.

N. B. By use of No. 48 Sections the labor of installation is reduced one-half.

## IMPORTANT

In the interest of both safety and economy Double Wall Pipe should be installed in preference to Single Pipe wrapped with asbestos paper. Repeated tests indicate that Single Wall Pipe covered with asbestos paper is an unprofitable medium for the conveyance of warm air from a Furnace owing to the dissipation of a large portion of the heat units into the partition walls which accomplishes no good purpose. The tests demonstrate that the loss of temperature between Boot and Register with Single Pipe is 42 degrees whereas with Excelsior Double Wall Pipe the loss is only 8 degrees. It is therefore poor economy on the score of fuel consumption to install Single Pipe. The greater efficiency of Double Wall Pipe insures satisfactory heating of rooms with the minimum consumption of fuel, the saving in coal bills in many cases representing a good rate of interest on the entire cost of the heating plant. A presentation of these facts to the prospective buyer of a Furnace by the dealer should secure the contract for the installation of Excelsior Double Wall Pipe.

There is no economy in installing Single Wall Pipe as in order to insure safety the same must be protected by metal lath. The cost of an installation of Single Pipe covered with Asbestos paper and protected by metal lath is greater than that of Excelsior Double Wall Pipe owing to the much smaller cost of both labor and material. Due to the production of four-foot lengths of Excelsior Double Wall Pipe and its self-locking feature the cost of installation is nominal, two sections and one Adjustable Joint being sufficient for the average run. There is no need of solder and the Pipe is locked together on the job.

When Excelsior Double Wall Pipe can be installed for less money than Single Wall Pipe, covered and protected, there is no reason for the installation of the latter and an injustice is done to the house owner if Single Pipe is installed as he will burn more fuel and run the risk of not having his home properly heated. The installation of Single Wall Pipe imposes a greater tax upon the Furnace as it has to overcome the heat losses in the partitions and in severe weather it means the driving of the heater with the burning out of grates and firepots. With Excelsior Double Wall Pipe the heater will last longer, give greater satisfaction and greatly reduce the cost of operation.

Under these circumstances we urge every furnace dealer to install Excelsior Double Wall Pipe.

The manufacture of Excelsior Double Wall Pipe involves the use of a large amount of expensive machinery including hundreds of dies and presses, all of which under present conditions cannot be kept in constant operation. With universal installation of double wall pipe the cost of production could be reduced in which event, following our established policy, the saving would be passed on to our customers.



# EXCELSIOR PATENTED NON-VENTED SELF-LOCKING DOUBLE WALL PIPE.

## "A Fit with Every Fitting"

The Pipe illustrated below is intended for heating second or third floor rooms.



No. 00.  
(1 in. long.)



No. 0.  
(2 in. long.)



No. 1.  
(4 in. long.)

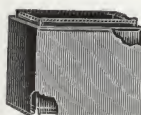


No. 48.  
(4 ft. long.)

A device for attaching sections to studs is provided on No. 48 and is supplied on one-half of No. 35 sections shipped.



No. 2.  
(6 in. long.)



No. 3.  
(9 in. long.)



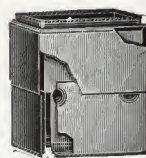
No. 4.  
(12 in. long.)

N. B.

Note plaster clinch on long sections of Excelsior Double Wall Pipe.



No. 35.  
(2 ft. long)



No. 17. Adjustable Joint.  
Adjusts from 6½ to 13 in.

### List Price, Each.

Number of Pipe		4	7	6	8	9	12	14
Size of } Pipe, in. }	Inside	2 $\frac{3}{8}$ x10	3x10	2 $\frac{3}{8}$ x12	3x12	3x13	4 $\frac{1}{2}$ x12	5 $\frac{1}{2}$ x13
	Outside	3x10 $\frac{1}{8}$	3 $\frac{3}{8}$ x10 $\frac{1}{8}$	3x12 $\frac{1}{8}$	3 $\frac{3}{8}$ x12 $\frac{1}{8}$	3 $\frac{3}{8}$ x13 $\frac{1}{8}$	5 $\frac{3}{8}$ x12 $\frac{1}{8}$	6 $\frac{1}{2}$ x13 $\frac{1}{8}$
No. 00, 1 in. long		(Same list as No. 7)	\$0.45	(Same list as No. 8)	\$0.50	\$0.65	\$0.75	\$0.80
No. 0, 2 " "			.50		.60	.75	.85	.90
No. 1, 4 " "			.60		.70	.85	.95	1.00
No. 2, 6 " "			.70		.80	.95	1.05	1.15
No. 3, 9 " "			.90		1.00	1.25	1.35	1.45
No. 4, 12 " "			1.00		1.15	1.40	1.60	1.75
No. 35, 2 ft. "			1.80		2.00	2.40	2.80	3.15
No. 48, 4 " "			3.60		4.00	4.80	5.60	6.30
No. 17, Adj. Joint			1.50		1.65	2.00	2.75	3.25
†56 ft. Crates					57.00		64.00	

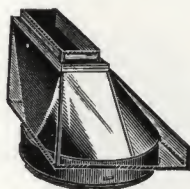
Note—To avoid confusion order by number and not by size of pipe.

†For the convenience of the trade we furnish crates containing 56 feet of Double Wall Pipe consisting of the following: 2 each Nos. 00, 3 and 35; 4 each Nos. 0, 2 and 4; 5 No. 1; 10 No. 48 and 2 No. 17 Adjustable Joints.



## EXCELSIOR FRICTIONLESS NON-VENTED DOUBLE BOOTS.

Note the new method (patent pending) of attaching Boots to floor joists. All that is necessary is to insert a piece of wire in the eyelet in the Boot Collar, drive a nail in the position shown in cut, wind the wire around the nail (see cut on page 8). This saves a lot of time and makes a much more satisfactory installation.

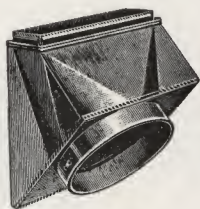


No. 8 Boot.

Patented May 29th, 1923.  
No. 1,457,126.



No. S 8 Single Boot with Top  
to fit Double Wall Pipe.

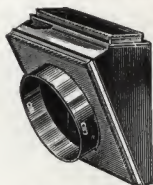


No. 9 Boot.

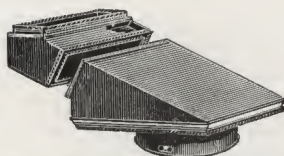
Always specify style of boot, number of pipe and size of collar desired.



No. 50 Boot.

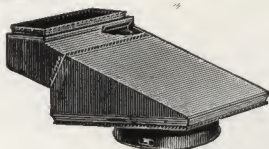


No. 52 Boot.  
(Not Frictionless)



No. 52 Boot and 53 Offset.  
(Not Frictionless)

Above are for use with Pipe shown on page 6 and Heads shown on page 9. Boots for use with Stack Heads for Base-board Registers are shown on pages 14, 16, 21 and 22.



No. 52 Boot and 53 Offset.  
(Not Frictionless)

These Boots  
patented  
Sept. 21st,  
1926, No.  
1,600,739.

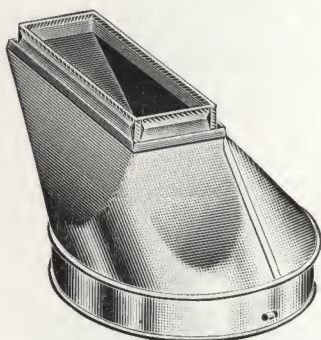
		List Price, Each.						
No. of Pipe		4	6	7	8	9	12	14
Size of Pipe, in. {	Inside	2½x10	2½x12	3x10	3x12	3x13	4½x12	5½x13
	Outside	3x10½	3x12½	3½x10½	3½x12½	3½x13½	5½x12½	6½x13½
†Size of Collars, inches.		{ 8	{ 9 10	{ 8 9	{ 9 10	{ 9 10	{ 10 12	{ 10 12
All Double Boots except No. 50		\$2.10	\$2.35	\$2.10	\$2.35	\$2.70	\$3.50	\$3.90
No. 50 Double Boot		2.30	2.50	2.30	2.50	2.75	3.90	4.25
*All Single Boots except No. 50		1.35	1.55	1.35	1.55	1.80	2.00	2.25
No. 50 Single Boot		1.50	1.65	1.50	1.65	2.00	2.75	3.25
No. 53 Offset		1.00	1.10	1.00	1.10	1.25	1.75	2.25

Indicate size of Collars wanted in Boots thus:—V for 7 inch, W for 8, X for 9, Y for 10, Z for 12 and U for 14 inch.

†Reducing Collars shown on page 16 can be used if other sizes are wanted.

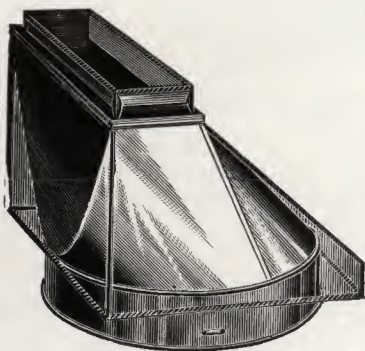
\*These Boots have Double Tops to fit Double Stacks. In ordering indicate by No. preceded by the letter "S".

## EXCELSIOR SINGLE TIN BOOT WITH DOUBLE TOP

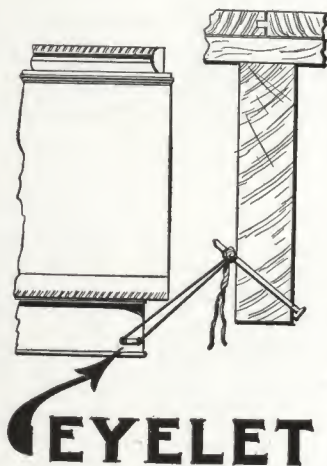


Patented 7-22-30. No. 1771176

For the sake of economy of fuel consumption the installation of Double Boots in connection with Excelsior Double Wall Pipe is urged. A saving can be made by using Double Wall Pipe in partitions and connecting same with warm air pipes in basement by means of Single Boots with Special Double Tops which interlock with the Double Wall Pipe as indicated in cut above. These Boots are finely made and present an excellent appearance. The saving by the use of same is shown in list on preceding page.



See page 7.

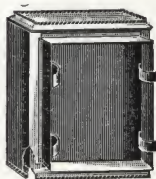


N. B.

Notwithstanding the superiority of Excelsior Furnace Pipe and Fittings they are sold at competitive prices. The goods are carefully crated and reach the installer in first class condition.

# EXCELSIOR NON-VENTED DOUBLE STACK HEADS AND REGISTER BOXES

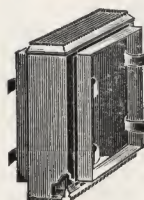
For use in connection with Side Wall or Floor Registers and Excelsior Double Wall Stack shown on page 6. Heads for use with Baseboard Registers are shown on pages 13 and 15.



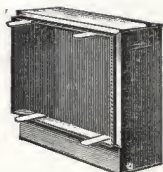
No. 10.  
For 1 vertical register.

**INSTALL  
EXCELSIOR  
EVERWEAR  
ELBOWS.**

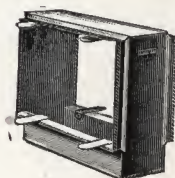
**See page 28.**



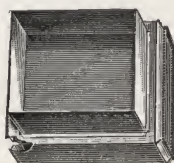
No. 12.  
For 2 vertical registers.



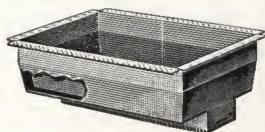
No. 9.  
With 1 crosswise flange.



No. 19.  
With 2 crosswise flanges.

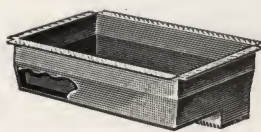


No. 14.  
For Floor Register.



No. 148 For Floor Register.

**“A FIT  
WITH  
EVERY  
FITTING”**



No. 149 For Floor Register.

**List Price, Each.**

No. of Pipe	4	6	7	8	9	12	14
Size of Pipe, in. { Inside	2 $\frac{1}{2}$ x10	2 $\frac{1}{2}$ x12	3x10	3x12	3x13	4 $\frac{1}{2}$ x12	5 $\frac{1}{2}$ x13
Size of Pipe, in. { Outside	3x10 $\frac{1}{2}$	3x12 $\frac{1}{2}$	3 $\frac{1}{2}$ x10 $\frac{1}{2}$	3 $\frac{1}{2}$ x12 $\frac{1}{2}$	3 $\frac{1}{2}$ x13 $\frac{1}{2}$	5 $\frac{1}{2}$ x12 $\frac{1}{2}$	6 $\frac{1}{2}$ x13 $\frac{1}{2}$
Size of Register, inches {	6x8	8x10	8x10	8x12	9x12	10x12	10x14
Size of Register, inches {	8x10	8x12	8x12	9x12	10x12	10x14	12x14
Size of Register, inches {		9x12	9x12	10x12	10x14		
All Stack Heads and Boxes {	\$2.05	\$2.20	\$2.05	\$2.20	\$2.40	\$3.40	\$3.75

Indicate sizes of flanges thus: L for 6x8; M for 8x10; H for 8x12; N for 9x12; O for 10x12; P for 10x14; V for 12x14.

Always specify style of head, number of pipe and size of flange desired.

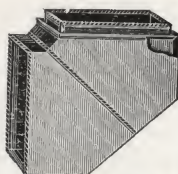


## EXCELSIOR STACK ELBOWS AND ANGLES

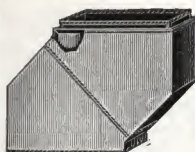
These Fittings are for use with Double Pipe illustrated on page 6 for heating second or third floor rooms.



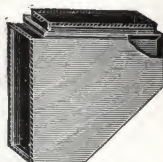
No. 24 Stack Angle.



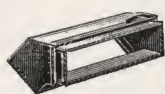
2 No. 24 Angles.  
Stack Elbow.



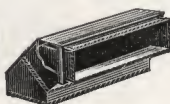
2 No. 24 Angles.  
Stack Offset.



No. 29 Stack Elbow



No. 21 Stack Angle.



2 No. 21 Angles.  
Stack Elbow.



2 No. 21 Angles.  
Stack Offset.



No. 18 Stack Elbow.

### List Price, Each.

No. of Pipe	4	7	6	8	9	12	14
Size of {							
Pipe, in. { Inside	2½x10	3x10	2½x12	3x12	3x13	4½x12	5½x13
Outside	3x10½	3½x10½	3x12½	3½x12½	3½x13½	5½x12½	6½x13½
No. 24 Angle		\$1.20		\$1.30	\$1.60	\$2.25	\$2.75
Elbow, 2 No. 24s }							
Offset, 2 No. 24s }		2.40		2.60	3.20	4.50	5.50
No. 21 Angle		.80		.90	1.10	1.60	2.00
Elbow, 2 No. 21s }							
Offset, 2 No. 21s }		1.60		1.80	2.20	3.20	4.00
No. 18 Stack Elbow		1.40		1.50	1.80	2.80	3.10
No. 29 Stack Elbow		2.30		2.50	2.75	3.90	4.25

Note—To avoid confusion order by number and not by size of pipe.

### A SUGGESTION

Many towns and cities have ordinances requiring the installation of Double Wall Pipe and if one is not in effect in your community we suggest that you endeavor to secure the adoption of the same. No doubt all of your competitors would join in such an effort in view of increasing the efficiency and popularity of Warm Air Heating. We will be glad to supply copies of tests of Double and Single Pipe made by the Underwriters' Laboratories, Incorporated, and texts of various ordinances now in effect.

## N. B.

### DEPTHS OF STACK HEADS FOR H. & C. BASEBOARD REGISTERS.

(Dimensions cover inside size of Double and size Single Stack Heads.)

Projection	For 1 Register	For 2 Registers
2¼"	5½"	8"
3¼"	6½"	10"
4¾"	8"	13"
5¼"	8½"	14"
7½"	10"	17"

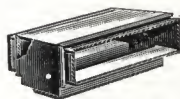


## EXCELSIOR NON-VENTED DOUBLE FITTINGS.

### Tees, Reducers, Increases

These Fittings are for use with Double Pipe illustrated on page 6 for heating second or third floor rooms.

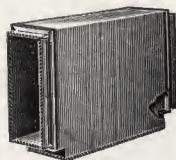
### "A FIT WITH EVERY FITTING"



No. 16 Tee.



No. 25 Through Tee.



No. 26 Tee.



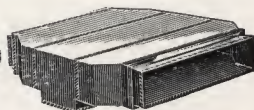
No. 27 Reducer.



No. 28 Reducer.



No. 40 Increaser.



No. 16 and 2 No. 27.

#### Information

No. 16 TEE		No. 25 TEE	
Inlet	Outlets	Inlet	Outlets
No. 7	No. 7	No. 7	No. 7
No. 8	No. 8	No. 8	No. 8
No. 9	No. 9	No. 9	No. 9
No. 12	No. 12	No. 12	No. 12
No. 12	No. 8	No. 12	No. 8
No. 14	No. 14	No. 14	No. 14
No. 14	No. 9	No. 14	No. 9

#### Reducers are made as follows:

No. 27	No. 28
No. 8 to No. 7	No. 8 to No. 6
No. 9 to No. 7	No. 12 to No. 6
No. 9 to No. 8	No. 12 to No. 8
	No. 14 to No. 9

No. 40 Increases are made in sizes the reverse of No. 27 and No. 28.

#### List Price, Each.

No. of Pipe		4	7	6	8	9	12	14
Size of { Pipe, in.	Inside	2 $\frac{3}{8}$ x10	3x10	2 $\frac{3}{8}$ x12	3x12	3x13	4 $\frac{1}{2}$ x12	5 $\frac{1}{2}$ x13
	Outside	3x10 $\frac{3}{8}$	3 $\frac{3}{8}$ x10 $\frac{3}{8}$	3x12 $\frac{3}{8}$	3 $\frac{3}{8}$ x12 $\frac{3}{8}$	3 $\frac{3}{8}$ x13 $\frac{3}{8}$	5 $\frac{3}{8}$ x12 $\frac{3}{8}$	6 $\frac{3}{8}$ x13 $\frac{3}{8}$
No. 16 Tee	Same as No. 7	\$2.00	Same as No. 8	\$2.15	\$2.55	\$3.85	\$4.25	
No. 25 Tee								
No. 27 Reducer								
No. 28 Reducer								
No. 40 Increaser								
No. 26 Tee		2.80		3.15	3.60	4.60	5.20	

Note—To avoid confusion order by number and not by size of pipe.

Install No. 48 Sections of Excelsior Double Wall Pipe and reduce your cost of installation one-half.

See page 6.

## EXCELSIOR NON-VENTED DOUBLE FITTINGS.

These Fittings are for use with Double Pipe illustrated on page 6 for heating second or third floor rooms.

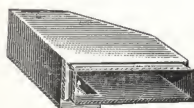
### "A Fit With Every Fitting"



No. 100.



No. 101.



No. 102.

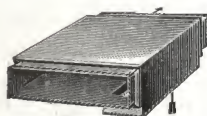
### REDUCE YOUR LABOR COST BY



No. 103.

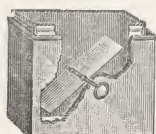


No. 104.



No. 105.

### INSTALLING FOUR-FOOT SECTIONS OF



No. 107.



No. 54 Stack Cap.  
(List 20 cents.)

### EXCELSIOR DOUBLE WALL PIPE. See page 6.

#### List Price, Each.

No. of Pipe	4 and 7		6 and 8		9	12	14
Size of { Pipe, in. }	Inside	2½x10 3x10	2½x12 3x12	3x13	4½x12	5½x13	
	Outside	3x10½ 3½x10½	3x12½ 3½x12½	3½x13½	5½x12½	6½x13½	
No. 100 to 105 Offsets	\$4.00		\$4.35	\$5.35	\$6.00	\$6.65	
No. 107 Damper...	1.50	1.50	1.90	2.80	3.00		

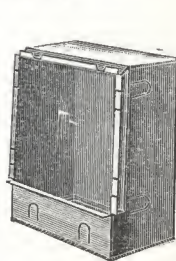
Note—To avoid confusion order by number and not by size of pipe.

**Buy Excelsior Bonnets and Save Money**

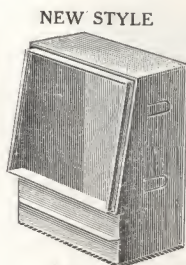
# EXCELSIOR PATENTED SELF-POSITIONING DOUBLE WALL STACK HEADS, ANGLES AND PIPE FOR ONE BASE- BOARD REGISTER. (SINGLE HEADERS.)

Order by No., give size and make, also class, pattern or style of Register.

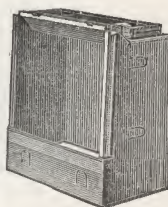
N. B.—When an A No. 3 or A No. 4 Stack Head is installed Double Wall Pipe shown on page 6 should be used in connection therewith. See note below.



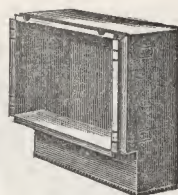
A No. 1.  
For First Floor.



A No. 1  
For First Floor



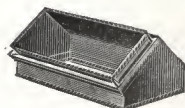
A No. 3 with Patent-  
ed Top Collar & Reducing Wings. Patented  
June 1st, 1915 and Oct. 5th, 1915, Nos.  
1,141,492 and 1,155,761 respectively.



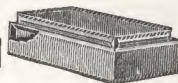
A No. 4.  
For Second Floor.

We have been having requests for Stack Heads so constructed as to permit the projections on same to pass through the frame of a two-piece Register and bend over on the flange of the same. To meet this demand we have developed the Stack head shown herewith which is furnished in both Double and Single. In specifying the same use the catalog terms and numbers adding the words "New Style" or the initials "N. S."

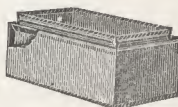
See page 10 for dimensions of Stack  
Heads.



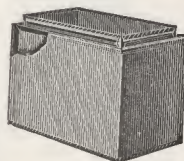
No. 221 Angle.



No. 200. (2 in. long.)



No. 201. (4 in. long.)



No. 202½.  
(8 in. long.)

		List Price, Each.						
Frame projection	{	1¼"	1¼"	3¼"	3¼"	4¾"		
	{	2¼"	2¼"			5¼"	5¼"	7½"
Size of Register,	{							
		inches						
		8x10	8x12	9x12	10x12	10x13	10x13	
						11x13	11x13	
								12x14
								12x14
A 1 Stack Heads		\$2.30	\$2.40	\$2.65	\$2.75	\$3.20	\$3.30	\$3.90
A 3 Stack Heads		2.75	2.90	3.20	3.30	3.80	3.95	4.70
A 4 Stack Heads		2.30	2.40					
No. 200, 2 inch.		.70	.75	.80	.85	.95	1.00	1.25
No. 201, 4 inch.		.85	.90	.95	1.00	1.15	1.20	1.45
No. 202½, 8 in.		1.15	1.25	1.35	1.40	1.55	1.60	2.00
No. 221 Angle.		1.20	1.30	1.45	1.50	1.80	2.05	2.65

Other lengths furnished promptly at proportionate price.

List is on Stack Heads for 4-inch partitions. For wider or narrower partitions add 50 cents net.



**EXCELSIOR NON-VENTED DOUBLE BOOTS AND BOOT OFFSET.**  
**To Fit A No. 1 and A No. 3 Stack Heads for One Baseboard Register.**  
**(Single Headers.)**

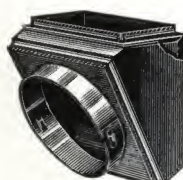
See also cuts on page 8.



No. 208 Boot.  
(Frictionless)



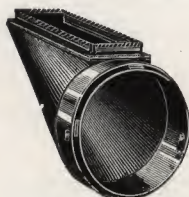
No. 209 Boot.



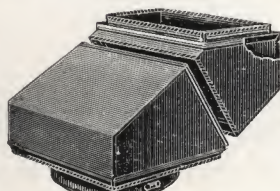
No. 252 Boot.

Order by No., indicate size of Collar, (see key below) give size and make, also class pattern or style of Register.

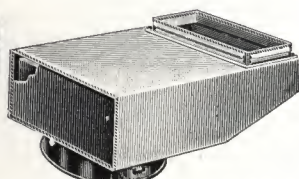
V equals 7 in., W equals 8 in., X equals 9 in., Y equals 10 in., Z equals 12 in., U equals 14 in.



No. 250 Boot.  
(Frictionless.)



No. 252 Boot and 253 Boot Offset. \*No. 255 for A1 or A3 Heads.



\*For connecting bottom of Stack Head with Warm Air Pipe when partition is immediately over girder and there is objection to cutting same. Made for Standard Depth Registers only. Give size, class and make of Register in ordering. Collar furnished separately if desired.

**List Price, Each.**

Frame projection {	2 1/4"	2 1/4"	3 1/4"	3 1/4"	4 3/4"	5 1/4"	7 1/2"
Size of Collars	8"	9"	9-10"	12"	12"	12"	14"
Size of Register, {			8x12				
inches	8x10	8x12	9x12	10x13	10x13	12x14	12x14
†All Double Boots	\$2.30	\$2.40	\$2.60	\$2.70	\$3.10	\$3.20	\$3.70
*Single Boots . . .	1.70	1.80	1.95	2.05	2.40	2.50	2.90
No. 253 Offset. . .	1.60	1.70	1.80	1.90	2.50	2.65	3.25
No. 255 Fitting . .	2.90	3.10	4.40	4.50	5.50	5.85	6.95

†List covers Boots with Collars shown. Reducing Collars shown on page 16 can be used if other sizes are wanted.

\*These Boots have double collars at top to fit Double Wall Pipe. In ordering indicate the No. preceded by the letter S. See page 8 for cut showing construction.

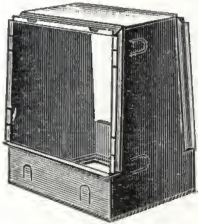
Above Boots patented Sept. 21, 1926, No. 1,600,739.



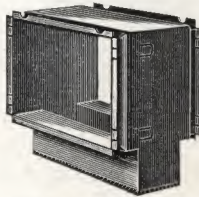
**EXCELSIOR PATENTED SELF-POSITIONING DOUBLE  
WALL STACK HEADS, ANGLES AND PIPE FOR  
TWO BASEBOARD REGISTERS.  
(DOUBLE HEADERS.)**

Order by No., give size and make, also class, pattern or style of Register.

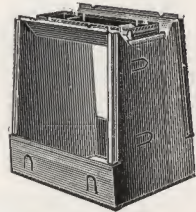
N. B.—When an A No. 5 or A No. 6 Stack Head is installed Double Wall Pipe shown on page 6 should be used in connection therewith.



A No. 2. For First Floor.



A No. 5. For Second Floor.



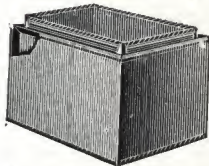
A No. 6. For First Floor with Patented Top Collar and Reducing Wings enabling any one of two or three sizes of Pipe extensions to be used without a Reducer. The installation of A No. 5 and A No. 6 Stack Heads is not recommended.



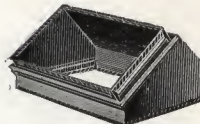
No. 500. (2 in. long.)



No. 501. (4 in. long.)



No. 502 1/2. (8 in. long.)



No. 521 Angle.

**See page 10 for  
dimensions of  
Stack Heads.**

**List Price, Each.**

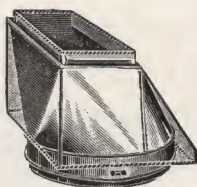
Frame projection	1 1/4"	1 1/4"	3 1/4"	3 1/4"	4 3/4"	5 1/4"	7 1/2"
	2 1/4"	2 1/4"	8x12	10x13	5 1/4"	5 1/4"	
Size of Register, inches	8x10	8x12	9x12	10x13	11x13	12x14	12x14
A No. 2 .....	\$2.75	\$2.95	\$3.20	\$3.40	\$3.85	\$4.10	\$4.90
A No. 6 .....	3.50	3.60	3.85	4.10	4.60	4.90	5.85
A No. 5 .....	2.75	2.95					
No. 500, 2 inch.	.80	.90	.95	1.05	1.15	1.30	1.60
No. 501, 4 inch.	.95	1.05	1.15	1.25	1.75	1.80	2.20
*No. 502 1/2, 8 in.	1.35	1.45	1.55	1.65	1.80	2.10	3.00
No. 521 Angle..	1.45	1.55	1.70	1.80	2.05	2.40	3.00

Note—Above Stack Heads were patented June 1st, 1915 and October 5th, 1915, Nos. 1,141,492 and 1,155,761 respectively and infringers will be prosecuted.

\*Other lengths furnished at a proportionate price.

List is on Stack Heads for 4-inch partitions. For wider or narrower partitions 50¢ net each additional will be charged.

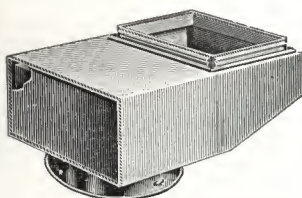
**EXCELSIOR NON-VENTED DOUBLE BOOTS AND BOOT OFFSET.**  
**To Fit A No. 2 and A No. 6 Patented Self-Positioning Stack Heads**  
**for Two Baseboard Registers. (Double Headers.)**



No. 508 Boot.  
(Frictionless)

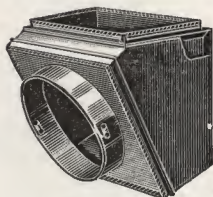


No. 509 Boot.



No. 555 for A2 and A6 Heads.

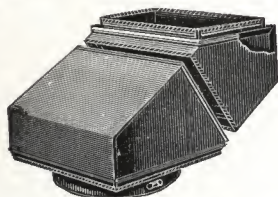
All Boots patented Sept. 21st, 1926, No. 1,600,739.



No. 552 Boot.

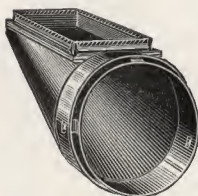
Order by No., indicate size of Collar, (see key below) give size and make, also class, pattern or style of Register.

V equals 7 inch  
W " 8 "  
X " 9 "  
Y " 10 "  
Z " 12 "  
U " 14 "



No. 552 Boot and No. 553 Boot Offset.

**REDUCING BOOT COLLAR.**



No. 550 Boot.  
(Frictionless)



Furnished in sizes 14 to 12, 12 to 10, 10 to 9 and 9 to 8. 14 to 12, 10¢ net, 12 to 10, 8¢ net; 10 to 9, 6¢ net; 9 to 8, 5¢ net.

**List Price, Each.**

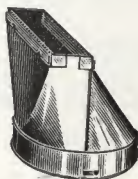
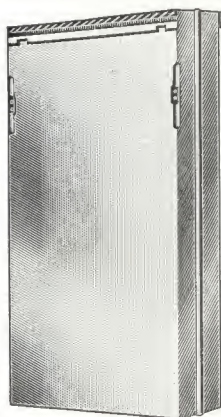
Frame projection	2 1/4"	2 1/4"	3 1/4"	3 1/4"	4 3/4"	5 1/4"	7 1/2"
Size of Register, inches	8x10	8x12	9x12	10x13	10x13	12x14	12x14
Size of Boot Collar	9-10"	10"	12"	12"	14"	14"	14"
†All Double Boots	\$2.80	\$3.00	\$3.20	\$3.40	\$4.20	\$4.40	\$5.00
*†Single Boots...	2.05	2.15	2.35	2.40	3.10	3.15	3.85
No. 553 Offset ..	1.65	1.90	2.05	2.15	2.65	2.90	3.50
No. 555 Fitting..	4.45	4.90	5.25	5.55	6.85	7.30	8.50

†List covers Boots with Collars shown. Reducing Collars shown above can be used if other sizes are wanted.

\*These Boots have Double Heads to fit Double Wall Pipe. In ordering indicate the No. preceded by the letter "S". See page 8 for cut showing construction.

# EXCELSIOR NESTED SINGLE WALL PIPE, FRICTIONLESS BOOTS AND OFFSET FOR HEATING ROOMS ON SECOND OR THIRD FLOORS

See pages 23 and 24 for combination of these Boots with various Elbows and Angles. To make same Combinations with Boots below substitute the numbers shown on this page. Goods shown are same as those on this page but made to fit Baseboard Registers.



No. 308 Boot.



No. 309 Boot.

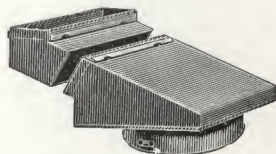
See also cuts on page 8.



No. 350 Boot.



No. 352 Boot.  
(Not Frictionless.)



No. 352 Boot and 353 Boot  
Offset. (Not Frictionless.)

All Boots patented  
Sept. 21, 1926, No.  
1,600,739.

## List Price, Each.

*Size of Pipe, in.	3x10	3½x10	3x12	3½x12	3½x13	5½x12	5½x14
Size of Collar, in.	8	9	8-9	9	10	10	12
All Boots, except							
No. 350 each	\$0.85	\$0.85	\$0.95	\$0.95	\$1.10	\$1.20	\$1.30
No. 350 Boot	.95	.95	1.05	1.05	1.20	1.30	1.40
No. 353 Offset	.58	.58	.62	.62	.74	.87	1.00
Nested Pipe, ft.	.42	.42	.46	.46	.49	.54	.58

\*Larger sizes of Pipe and Fittings made to order.

Made-up Pipe furnished to order at advance of 3 cents list per foot.

Lists cover Boots with Collars shown. Reducing collars shown on page 16 can be used if other sizes are wanted.

Always specify size of pipe, style, number of boot and size of collar.

Indicate size of collar wanted in boots thus: W for 8 inch, X for 9, Y for 10 and Z for 12 inch.

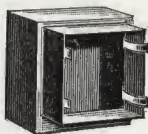
Lists are on I.C. Tin. For I.X. Tin or Galvanized Iron add 50 per cent.



## EXCELSIOR SINGLE FITTINGS

For use with Single Wall Pipe for heating rooms  
on second and third floors

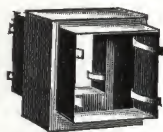
N.B. Installation of Single Wall Pipe is not recommended.



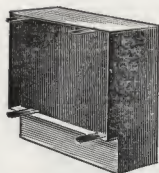
No. 310 Stack Head.  
For One Vertical Register

### INSTALL EVERWEAR ELBOWS.

See page 28.



No. 312 Stack Head.  
For Two Vertical Registers.



No. 309 Stack Head  
For one Horizontal  
Register.

### "A FIT WITH EVERY FITTING"

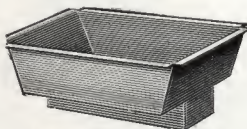
N. B. Stack Heads on this page are for  
use in connection with Side Wall Registers.  
For Baseboard Stack Heads see page 20.



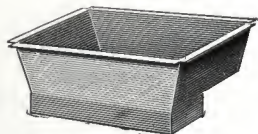
No. 319 Stack Head  
For two Horizontal  
Registers.



No. 314 Stack Head.  
For Floor Register.



No. 348 Register Box.  
For Floor Register.



No. 349 Register Box.  
For Floor Register.

### List Price, Each.

*Size of Pipe, inches.	3x10	3½x10	3x12	3½x12	3½x13	5½x12	5½x14
Size of Register.....	8x10	8x10	8x12	8x12	10x12	10x14	12x14
		8x12	9x12	9x12			
		9x12	10x12	10x12			12x15
No. 310 Vertical....	.85	.85	.95	.95	1.10	1.20	1.30
†No. 314 for floor...							
†No. 348 " ...							
†No. 349 " ...							
No. 309 Horizontal							
No. 319 " ...	.95	.95	1.05	1.05	1.20	1.30	1.40
No. 312 Vertical...							

†Made to fit body of Register unless otherwise ordered.

\*Larger sizes of Pipe and Fittings made to order.

Indicate sizes of flanges thus: L for 6x8; M for 8x10; H for 8x12; N for 9x12; O for 10x12; P for 10x14 and V for 12x14.

Always specify style of head or box, size of pipe and size of flange desired.



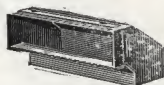
## EXCELSIOR SINGLE FITTINGS.

For Use With Single Wall Pipe For Heating Rooms  
On Second and Third Floors

**"A FIT WITH EVERY FITTING."**



No. 316 Tee.



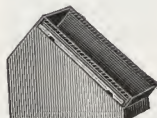
No. 318 Elbow.  
(90°)

## You can save money by buying Excelsior Bonnets

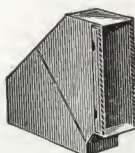
N.B. Excelsior Double  
Wall Pipe costs less in-  
stalled than Single Pipe,  
asbestos covered and  
protected by metal lath.



No. 321 Angle.  
(45°)



No. 324 Angle.  
(45°)



2 No. 324 Angles forming  
Stack Elbow.



No. 327 Reducer

No. 327 Reducers are made in the following sizes :

3½x13 to 3½x10    3½x12 to 3½x10    3½x13 to 3½x12

No. 340 Increases are made in sizes the reverse of No. 327.

### List Price, Each.

*Size of Pipe, inches.....	3x10 3½x10	3x12 3½x12	3½x13	5½x12	5½x14
No. 316 Tee.....	.95	1.05	1.20	1.30	1.40
No. 318 Elbow.....	.85	.95	1.10	1.20	1.30
No. 321 Angle.....	.48	.52	.64	.77	.90
No. 324 Angle.....	.60	.65	.77	.96	1.10
Size, inches.....	3½x12 to 3½x10	3½x13 to 3½x10	3½x13 to 3½x12		
No. 327 and No. 340	.52	.64	.64		

\*Larger sizes of Pipe and Fittings made to order.

Excelsior PRICES are sometimes equalled but Excelsior  
QUALITY never,

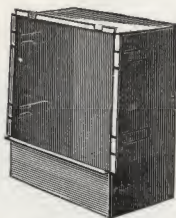
## EXCELSIOR SINGLE STACK HEADS FOR BASEBOARD REGISTERS.

All Stack Heads have Self-Positioning Cleats saving 90% of the usual cost of installation.

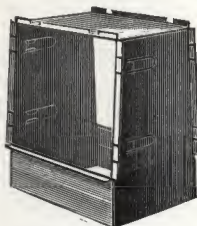
B No. 3 and B No. 6 Stack Heads are furnished with patented reducing wings, permitting the use of any one of two or three sizes of Single Wall Pipe to upper floor without a reducer.

Order by No., give size and make, also class, pattern or style of Register.

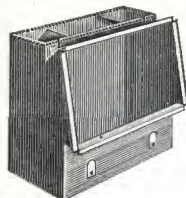
N. B. When a B No. 3 or B No. 6 Stack Head is installed Single Wall Pipe shown on page 17 should be used in connection therewith but the installation of these Stack Heads is not recommended as separate Stacks to upper floors are preferable.



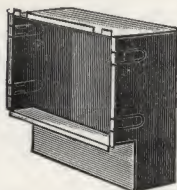
B No. 1 for first floor.  
(Furnished also in New  
Style, see A No. 1 page 13  
In ordering specify B No.  
1 N.S.)



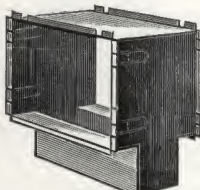
B No. 2 for first floor.  
For two Registers.



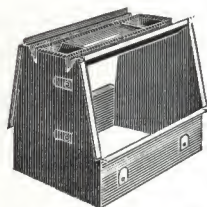
B No. 3 for first floor.  
With Extension Collar.



B No. 4 for second floor.



B No. 5 for second floor.  
For two Registers.  
(Not recommended.)



B No. 6 for first floor for two  
Registers with Extension  
Collar for Pipe to second  
floor. Patented June 1st,  
1915 and Oct. 5th, 1915,  
Nos. 1,141,492 and 1,155,  
761 respectively.

### "A Fit with Every Fitting"

#### List Price, Each.

Frame projection	$\left\{ \begin{array}{l} 1\frac{1}{4}'' \\ 2\frac{1}{4}'' \end{array} \right.$	$\left\{ \begin{array}{l} 1\frac{1}{4}'' \\ 2\frac{1}{4}'' \end{array} \right.$	$3\frac{1}{4}''$	$3\frac{1}{4}''$	$4\frac{3}{4}''$ $5\frac{1}{4}''$	$5\frac{1}{4}''$	$7\frac{1}{2}''$
Size of Register, inches	$\left\{ \begin{array}{l} 8 \times 10 \\ 8 \times 12 \end{array} \right.$	$\left\{ \begin{array}{l} 8 \times 12 \\ 9 \times 12 \end{array} \right.$	$\left\{ \begin{array}{l} 8 \times 12 \\ 9 \times 12 \\ 10 \times 12 \end{array} \right.$	$\left\{ \begin{array}{l} 10 \times 13 \\ 11 \times 13 \end{array} \right.$	$\left\{ \begin{array}{l} 10 \times 13 \\ 11 \times 13 \end{array} \right.$	$12 \times 14$	$12 \times 14$
B No. 1	\$ .85	\$ .95	\$1.00	\$1.10	\$1.30	\$1.45	\$1.70
B No. 2	1.10	1.20	1.25	1.35	1.70	1.95	2.15
B No. 3	1.00	1.10	1.20	1.30	1.55	1.70	2.15
B No. 4	.85	.95					
B No. 5	1.10	1.20					
B No. 6	1.40	1.45	1.50	1.60	2.15	2.35	2.60

See page 10 for dimensions of Stack Heads.

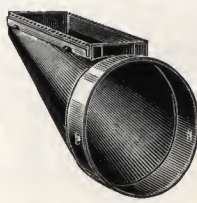
**EXCELSIOR FRICTIONLESS SINGLE BOOTS AND BOOT OFFSET.**  
**To Fit B No. 1 and B No. 3 Stack Heads for One Baseboard**  
**Register. (Single Headers.)**



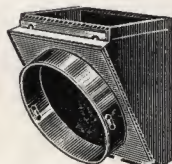
No. 408 Boot.



No. 409 Boot.



No. 450 Boot



No. 452 Boot.  
(Not Frictionless)

See also cuts on page 8.

Order by No., indicate size of Collar. (See key below.) Give size and make, also class, pattern or style of Register.

V equals 7 inch.

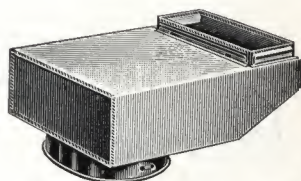
W " 8 "

X equals 9 inch.

Y " 10 "

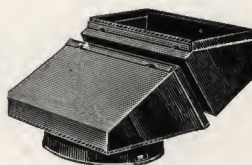
Z equals 12 inch.

U " 14 "



**INSTALL  
EVERWEAR  
ELBOWS.**

See page 28.



\*No. 455 for B 1 or B 3 Heads  
Collar is furnished detached if desired.  
Use number above when wanted single.

No. 452 Boot and No. 453  
Offset.. (Not Frictionless.)

Boots patented Sept. 21, 1926, No. 1,600,739.

**List Price, Each.**

Frame projection	2 1/4"	2 1/4"	3 1/4"	3 1/4"	4 3/4"	5 1/4"	5 1/4"	7 1/2"
			8x12					
Size of Register, inches	8x10	8x12	9x12	10x13	10x13	11x13	12x14	12x14
Size of Boot Collar, 8"	9"	9"	9-10"	12"	12"	12"	12"	14"
†All Boots.....	\$ .95	\$1.05	\$1.15	\$1.20	\$1.40	\$1.55	\$1.80	
No. 453 Offset.....	.70	.80	.85	.90	1.10	1.20	1.35	
†No. 421 Stack Angles	.55	.60	.65	.70	.90	.95	1.20	
No. 455 Fitting.....	1.65	1.85	2.00	2.10	2.50	2.75	3.15	

†See cut on page 23 in connection with Combination No. 4.

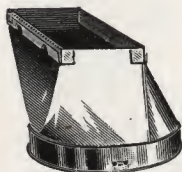
‡List covers Boots with collars shown. Reducing Collars shown on page 16 can be used if other sizes are wanted.

**Excelsior PRICES are sometimes equalled but Excelsior  
QUALITY never.**

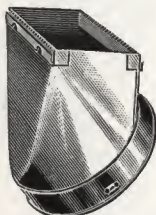


**EXCELSIOR FRICTIONLESS SINGLE BOOTS AND BOOT OFFSET.**  
**To Fit B No. 2 and B No. 6 Stack Heads for Two Baseboard**  
**Registers. (Double Headers.)**

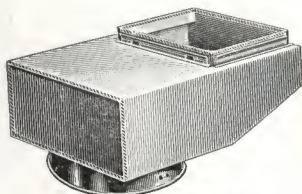
**"A FIT WITH EVERY FITTING"**



No. 608 Boot.



No. 609 Boot.



No. 655 for B2 or B6 Heads

Order by No., indicate size of collar, (see key below) give size and make, also class, pattern or style of Register.

V equals 7 inch.

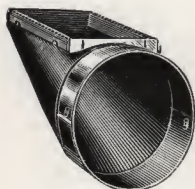
W " 8 "

X equals 9 inch.

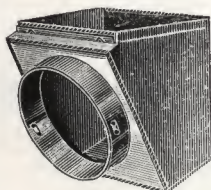
Y " 10 "

Z equals 12 inch.

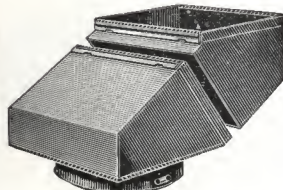
U " 14 "



No. 650 Boot.



No. 652 Boot.  
(Not Frictionless)



No. 652 Boot and No. 653 Offset.  
(Not Frictionless.)

Boots patented Sept. 21, 1926, No. 1,600,739.

List Price, Each.

Frame projection	2 1/4"	2 1/4"	3 1/4"	3 1/4"	4 3/4"	5 1/4"	7 1/2"
			8x12				
Size of Register, inches		8x12	9x12	10x13	10x13		
	8x10	9x12	10x12	11x13	11x13	12x14	12x14
Size of Boot Collar	9-10"	10"	12"	12"	14"	14"	14"
†All Boots.....	\$1.20	\$1.30	\$1.35	\$1.45	\$1.90	\$2.05	\$2.25
No. 653 Offset .....	.95	1.05	1.15	1.20	1.25	1.55	1.80
†No. 621 Stack Angle	.70	.80	.85	.90	1.10	1.20	1.35
No. 655 Fitting .....	2.20	2.40	2.60	2.75	3.40	3.70	4.15

†Same as 421 shown on page 23 in connection with Combination No. 4, except as to size.

†List covers Boots with collars shown. Reducing Collars shown on page 16 can be used if other sizes are wanted.

The slips on above Boots were patented May 14th, 1912, No. 1,026,607.

**Excelsior PRICES are sometimes equalled but Excelsior**  
**QUALITY never.**



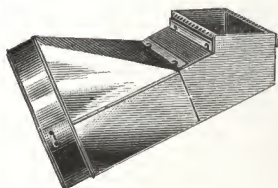
## EXCELSIOR SINGLE TIN BOOT COMBINATIONS.

(For Baseboard Stack Heads)

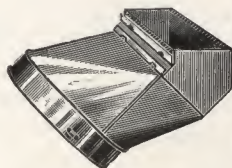
Numerous combinations can be made with Excelsior Frictionless Single Boots as shown in illustrations herewith. These Boots, Elbows and Angles are also made with self-locking tops, and can be used with Excelsior Double Wall Pipe and Stack Heads. When so wanted use the letter S in front of number of Boot, Elbow or Angle. Similar combinations may be made with Boots shown on pages 17 and 22.

## BUY EXCELSIOR BONNETS AND SAVE ONE-HALF OR MORE

See also cuts on page 8.



(Combination No. 1.)

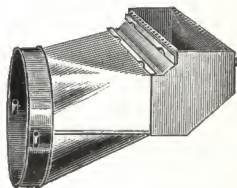


(Combination No. 2.)

No. 408 Boot in connection with  $67\frac{1}{2}^\circ$  Stack Angle or No. 453 Boot Offset making an Offset Boot with  $22\frac{1}{2}^\circ$  pitch to Pipe. (Note: No. S453 Offset can be used in connecting this Boot to Double Wall Pipe.)

No. 408 Boot in connection with  $45^\circ$  or No. 421 Stack Angle making an Offset Boot with  $45^\circ$  pitch to Pipe. (Note: No. S421 Stack Angle can be used in connecting this Boot to Double Wall Pipe.)

## "A Fit with Every Fitting"

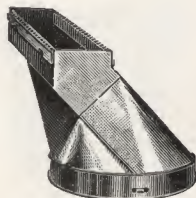


(Combination No. 3.)

No. 408 Boot in connection with No. 418 Stack Elbow making an Offset Boot. (Note: No. S418 Stack Elbow can be used in connecting this Boot to Double Wall Pipe.)

Indicate size of Collars by using letters shown below.

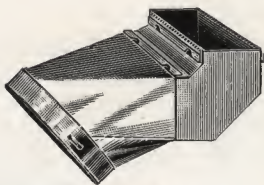
V	equals	7	inch.
W	"	8	"
X	"	9	"
Y	"	10	"
Z	"	12	"
U	"	14	"



(Combination No. 4.)

No. 409 Boot in connection with a  $45^\circ$  or No. 421 Stack Angle making a Boot with 2 inch Offset. (Note: No. S421 Angle can be used in connecting this Boot to Double Wall Pipe.)

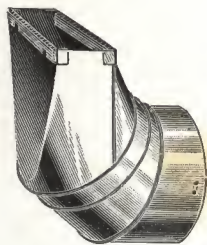
# EXCELSIOR FRICTIONLESS SINGLE BOOTS AND ANGLES For Baseboard Stack Heads.



(Combination No. 5.)

No. 409 Boot in connection with a No. 418 Stack Elbow, making an Offset Boot having 40° pitch to Pipe. (Note: No. S418 Stack Elbow can be used in connecting this Elbow to Double Wall Pipe.)

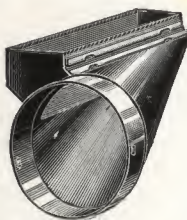
N. B. By the use of Excelsior Adjustable Elbows and Angles any degree of pitch can be obtained.



(Combination No. 6.)

No. 409 Boot in connection with a 45° Round Angle giving 7½° pitch to Pipe.

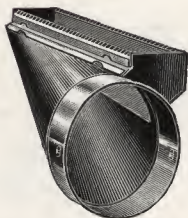
Send for pamphlet  
on successful Fur-  
nace installation.



(Combination No. 9.)

Excelsior Furnace  
Pipe costs less IN-  
STALLED than  
any other make.

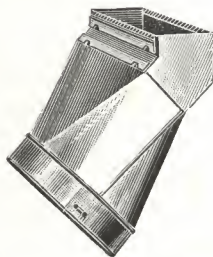
No. 450 Boot with 45° or No. 421 Angle making Boot with 7½° pitch to Pipe. (Note: No. S421 Angle can be used in connecting this Boot to Double Wall Pipe.)



(Combination No. 10.)

No. 450 Boot with 45° or No. 421 Angle in reverse position making Boot with 7½° pitch to Pipe. (Note: No. S421 Angle can be used in connecting this Boot to Double Wall Pipe.)

“A Fit  
with  
Every  
Fitting”

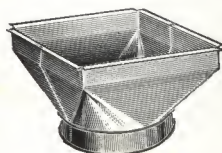


(Combination No. 11.)

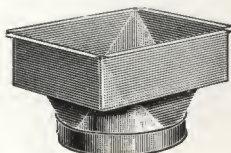
No. 408 Boot with No. 421 Angle making an Offset Boot with 45° pitch to Pipe. (Position of Boot is the reverse of that shown in Combination No. 2.) (Note: No. S421 Angle can be used in connecting this Boot to Double Wall Pipe.)

## EXCELSIOR REGISTER BOXES

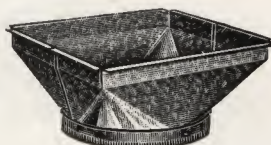
N. B. Funnel first floor Boxes shipped unless otherwise specified.



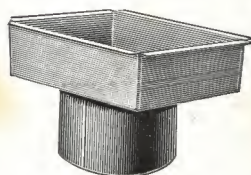
Single First Floor  
Tin Funnel Box.



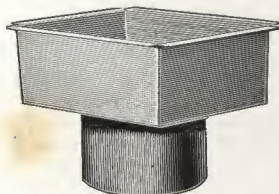
Double Register Box (Tin)  
For First Floor.



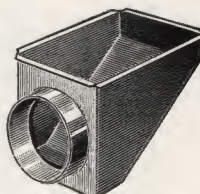
First Floor  
Galv. Iron Funnel Box.



First Floor Single Tin Box.  
4 inches deep. (10x14 and  
smaller.)



First Floor Single Tin Box.  
6 inches deep. (12x14 and  
larger.)



Second Floor Flaring  
Box.

Register Boxes fit bodies unless otherwise ordered.

### List Price, Each.

Size, Inches.	†Size of Collar, Inches.	*Single Funnel and Square Boxes.			Double Boxes.		Flaring Boxes.
		I C Tin.	I X Tin.	Galv.	I C Tin.	I X Tin.	
8x10	8	\$ .72	\$ .90	\$ .90	\$1.08	\$1.35	\$ .80
8x12	8	.77	.95	1.00	1.16	1.43	.80
9x12	9	.86	.95	1.00	1.29	1.43	.80
10x12	10	.96	1.08	1.30	1.44	1.62	.90
10x14	10	1.05	1.20	1.40	1.60	1.80	1.00
12x14	12	1.15	1.45	1.80	1.73	2.18	1.10
12x15	12	1.20	1.45	1.80	1.80	2.18	1.10
14x16	14		1.92	2.15			
14x18	14		2.16	2.40			
14x20	14		2.40	2.65			
16x18	16		2.65	3.00			
16x20	16		3.00	3.10			
16x24	16		3.00	3.60			
18x24	18		3.60	4.30			
20x24	20		4.00	4.80			
20x26	20			5.40			
24x24	24			6.00			
24x27	24			6.25			
27x27	26			6.50			
27x38	28			8.00			
30x30	30			7.00			
30x36	30			8.00			
38x42	36			12.00			

### IX Double Tin Boxes

14x16	\$2.88	16x18	\$4.00
14x18	3.24	16x20	4.50
14x20	3.60		

We make to order only second floor single boxes 10 inches deep and side wall or floor flanges. Prices quoted on application.

\*Funnel boxes in sizes 16x20 and larger made to fit faces only.

Galvanized iron boxes for hot air have outside size collars in same. When used for cold air they have inside size collars. State purpose for which same are intended.

†All collars are double seamed into boxes and are also hemmed on exposed edge.

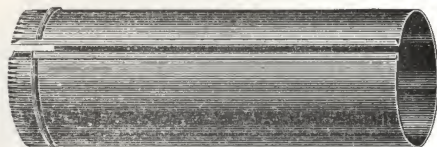
N. B. If smaller size pipe is used with the boxes listed Reducing Collars will be furnished as follows: 9 to 8, 5¢; 10 to 9, 6¢; 12 to 10, 8¢; 14 to 12, 10¢ each net.

N. B. See page 33 for Cold Air Trans-  
mission Heads for use with H. & C. Class 255  
Steel Faces and Wood Faces.

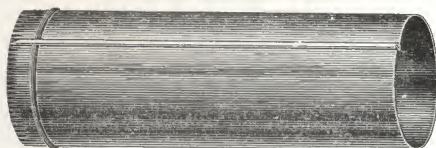


## EXCELSIOR NESTED TIN HOT AIR PIPE.

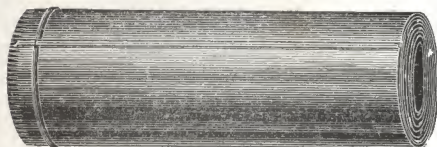
We can save you money on Furnace Bonnets



The Pipe Before it is Locked.



The Pipe After it is Locked.



50 Feet of Pipe Nested for Shipment.



Pipe Container. Patent Applied For.

N. B. We have some Pipe in stock put up in burlap, which we will ship until same is disposed of.

Shipped in joints measuring 24 inches long over all, also in bundles of 50 feet each.

**Great saving effected.**

IN SPACE (occupies 1-25th that of made-up Pipe.)

IN WEIGHT (no huge heavy crates needed.)

IN FREIGHT (ships as 3rd class in less than car lots, 5th class in car lots.)

IN CARTAGE (requires little room and is easy to handle.)

IN LOSS (no damage in transit or handling.)

IN LABOR (goes together without tools of any kind and can be installed on job faster than Made-up Pipe.)

### List Price, Per Foot

Size, inches	6	7	8	9	10	12	14	16
IC Tin, Nested	.29	.30	.33	.37	.42	.51		
IX " "		.36	.40	.45	.50	.60	.78	.90

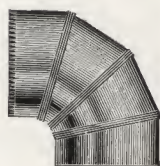
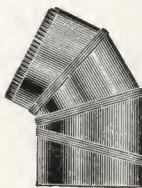
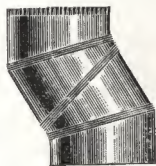
List on Made-up Pipe 3¢ additional.

**Excelsior PRICES are sometimes equalled but Excelsior QUALITY never**

and furnish you better Bonnets than you can make.

## EXCELSIOR TIN ADJUSTABLE ELBOWS AND ANGLES.

### Adjustable Four-Piece 90° Elbows.

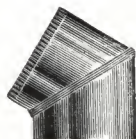


#### List Price, Each.

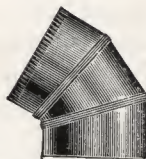
Size, inches.....	7	8	9	10	12	14	16	18	20
IC Tin.....	.50	.55	.60	.70	1.00				
IX ".....		.65	.72	.85	1.25	1.70	2.40	3.00	3.60

### TIN ADJUSTABLE ANGLES

Excelsior Adjustable Elbows and Angles are absolutely the best in the market. They are made on special machinery insuring Elbows and Angles which adjust easily. Excelsior Elbows, both Furnace and Stove Pipe, have a national reputation for quality.



Two-Piece 30 degree.  
45

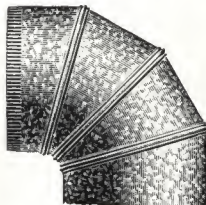


Three-Piece 60 degree.

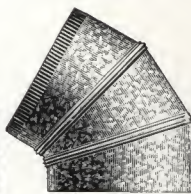
#### List Price, Each.

Size, inches.....	7	8	9	10	12	14	16	18	20
IC Tin, 2 piece 30° ...	.27	.30	.35	.40	.55				
" " 2 " 45° ...	.32	.35	.40	.45	.60				
" " 3 " 60° ...	.40	.45	.50	.58	.80				
" " 2 " 30° ...		.40	.45	.50	.65	.95			
IX " 2 " 45° ...		.46	.52	.58	.75	1.10	1.60	2.00	2.50
" " 3 " 60° ...		.56	.63	.73	1.00	1.40	2.00	2.50	3.00

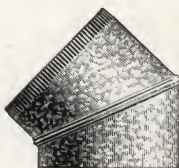
### EXCELSIOR GALVANIZED IRON ADJUSTABLE ELBOWS AND ANGLES.



90° Elbow



60° Angle



45° Angle



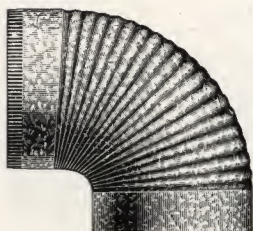
30° Angle

See cuts on page 30 illustrating Elbows and Angles 14" diameter and larger.

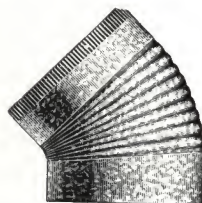
N. B.

Railway classifications require the shipment of three or more sizes in order to secure the nested rate. Elbows should be ordered in multiples of four in order to facilitate crating. Also wired in dozen lots.

## EXCELSIOR "EVERWEAR" ELBOWS AND ANGLES



Made of Galvanized  
Iron of special  
quality.



### Net Prices in Cents

Size	8 in.	9 in.	10 in.
24 gauge-----	.55	.60	.65
22 gauge-----	.70	.75	.80

60° Angles 10% less than on Elbows.

45° Angles 20% less than on Elbows.

22½° Angles 20% less than 45°.

For years there has been a demand for a more durable Smoke Pipe Elbow owing to the fact that the sulphur in the bituminous coal mined in a large part of the country rapidly destroys the metal in the ordinary Adjustable Elbow, making renewals necessary every few months. This is true of Elbows used in connection with Furnaces but the destruction is even greater in buildings heated by steam or hot water where the firing is harder. The metal in the throat of the Elbow where the soot collects corrodes within a comparatively short time. Realizing the situation we have solved the problem by designing and building machinery for the production of the above.

### Excelsior "Everwear" Elbow

This Elbow is deeply corrugated in the throat and offers from thirty to forty times the resistance to the action of sulphur and soot that the ordinary Elbow does. For the first time in the history of the trade an Elbow of the kind indicated is made in 22 and 24 gauge galvanized iron of a special quality. It is also made in sizes to take care of the requirements of more than 95% of the domestic heaters used in the country. The frequent renewals of Elbows will soon become a thing of the past. There will also be a saving in labor as piping has to be taken down, elbows removed and replaced involving considerable time and expense which will now be eliminated. In the aggregate the new Elbow will result in the saving of hundreds of thousands of dollars annually to the owners of heating apparatus.

### A Low Net Price

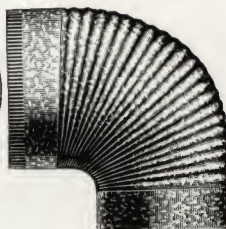
Notwithstanding the great cost of machinery to produce such an Elbow and the labor involved we have established a low net price on the same, following the policy adopted in introducing Excelsior Bonnets, which has been appreciated by furnace dealers throughout the country.

In comparison with the ordinary Elbow heretofore installed with heaters the "Everwear" is worth more than quadruple the price shown above.



## OVAL TO ROUND ELBOWS

In addition to the regular Elbows listed we can furnish the "Everwear" in oval to round so as to permit installation in connection with heaters having oval collars on the same. The price will be ten cents net per Elbow advance over list on regular Elbows.



### A Large Sale Assured

Judging by the calls which we have had for Elbows of the kind indicated we are certain that there will be ready sale for same in every community, as there are many house owners who will welcome the opportunity of obtaining immunity from the annual or semi-annual nuisance and expense of Elbow replacements.

### Pipe Also Furnished

Galvanized Nested Pipe is supplied for use with Excelsior "Everwear" Elbows in sizes and gages as follows:

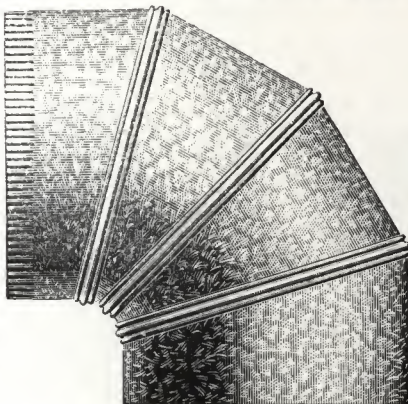
#### List Prices

Size	7 in.	8 in.	9 in.	10 in.
†Galvanized 24 ga., per ft.-----	.48	.52	.59	.64
† " 22 " " -----	.60	.65	.75	.85

See Excelsior quotation sheet for discount.

†Made also in larger sizes, see list on page 31.

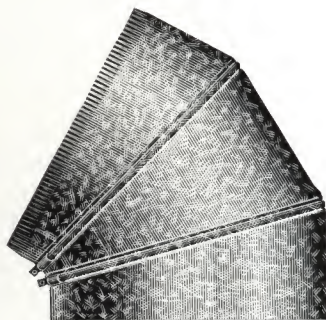
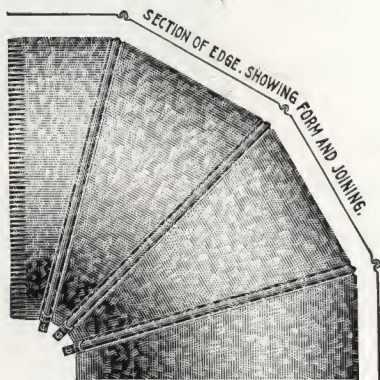
## 22 GAGE GALVANIZED ELBOWS



Made in Adjustable form in sizes 7 to 20 inches inclusive and in Stationary form in sizes 14 inches to 20 inches inclusive. Price on Stationary 5% less than on Adjustable. See list on page 31.

## EXCELSIOR HOOP ADJUSTABLE ELBOWS AND ANGLES.

All Adjustable Elbows and Angles 14 inches in diameter and larger are made with this Hoop.



60 Degree Angle.

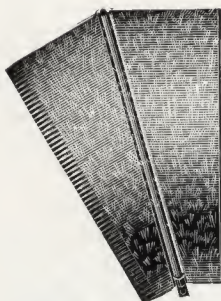
We manufacture  
Galvanized Iron El-  
bows in sizes 3 in.  
to 48 in. inclusive.



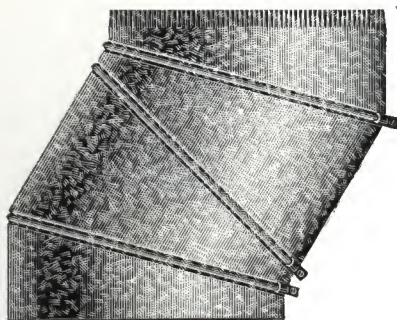
The Hoop.

Galvanized Iron 28  
gage Elbows furnished  
in sizes 3 to 6 inches  
inclusive and are sold  
at net prices.

See Excelsior Stove  
Pipe quotation sheet.



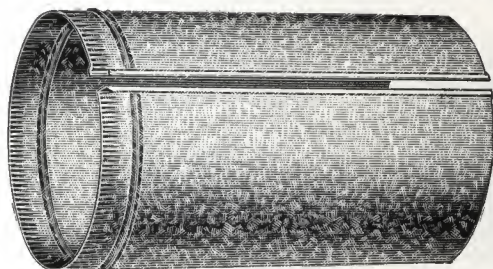
30 Degree Angle.



Elbow adjusted to form Offset.

See price list on following page.

# EXCELSIOR NESTED ROUND IRONPIPE, ELBOWS AND ANGLES.



12 inch  
long joints,  
10%  
advance  
over list.

Made-up  
pipe  
to order at  
3 cts.  
per foot  
list  
additional.

Pipe shipped in 24 inch joints over all or longer at our option and in bundles containing 50 feet each.

## List Price (1-1-31)

Size, inches.....	6	7	8	9	10	11-12
Galvanized Pipe, 26 ga. per ft.....	\$ .39	\$ .39	\$ .43	\$ .47	\$ .52	\$ .62
"    "    24 ga.    "    .....	.48	.48	.52	.59	.64	.80
"    "    22 ga.    "    .....	.60	.60	.65	.75	.85	1.05
Black    "    24 ga.    "    .....	.39	.39	.43	.47	.52	.62
Galvanized 4 pc. 90° Elbows, 26 ga. each....	.82	.82	.94	1.06	1.20	1.60
"    4 pc. 90°    "    24 ga.    "    ....	1.00	1.00	1.10	1.30	1.50	1.90
"    4 pc. 90°    "    22 ga.    "    ....	1.55	1.55	1.75	1.95	2.25	2.85
Black    4 pc. 90°    "    24 ga.    "    ....	.82	.82	.94	1.06	1.20	1.60
"    2 pc. 45° Angles, 24 ga.    "    ....		.57	.62	.72	.87	1.07
Galvanized 3 pc. 60°    "    26 ga.    "    ....	.68	.68	.78	.88	1.03	1.33
"    3 pc. 60°    "    24 ga.    "    ....	.78	.78	.88	1.03	1.33	1.63
"    3 pc. 60°    "    22 ga.    "    ....	1.20	1.20	1.35	1.50	1.75	2.15
"    2 pc. 45°    "    26 ga.    "    ....	.57	.57	.62	.72	.87	1.07
"    2 pc. 45°    "    24 ga.    "    ....	.67	.67	.77	.87	1.07	1.37
"    2 pc. 45°    "    22 ga.    "    ....	.90	.90	1.00	1.10	1.25	1.65
"    2 pc. 30°    "    26 ga.    "    ....	.52	.52	.56	.66	.76	.96
"    2 pc. 30°    "    24 ga.    "    ....	.61	.61	.66	.76	.91	1.16
"    2 pc. 30°    "    22 ga.    "    ....	.80	.80	.90	1.00	1.15	1.45
Size, inches.....	13-14	15-16	18	20	22	24
Galvanized Pipe, 26 ga. per foot.....	\$ .70	\$ .80	\$ .95	\$ 1.10	\$ 1.35	\$ 1.60
"    "    24 ga.    "    .....	.90	1.00	1.15	1.40	1.60	1.90
"    "    22 ga.    "    .....	1.25	1.45	1.65	1.75		
"    4 pc. 90° 26 ga. Elbows, each....	2.10	2.70	3.30	3.80	4.40	5.20
"    4 pc. 90° 24 ga.    "    "    ....	2.50	3.25	4.00	4.75		
"    4 pc. 90° 22 ga.    "    "    ....	3.85	4.70	5.70	6.60	7.50	8.40
"    3 pc. 60° 26 ga. Angles,    "    ....	1.65	2.00	2.50	2.90	3.20	3.70
"    3 pc. 60° 24 ga.    "    "    ....	2.00	2.50	3.25	4.00		
"    3 pc. 60° 22 ga.    "    "    ....	2.85	3.60	4.35	5.10		
"    2 pc. 45° 26 ga.    "    "    ....	1.20	1.50	1.85	2.35	2.60	3.00
"    2 pc. 45° 24 ga.    "    "    ....	1.45	1.80	2.20	2.80		
"    2 pc. 45° 22 ga.    "    "    ....	2.15	2.65	3.20	3.70		
"    2 pc. 30° 26 ga.    "    "    ....	1.10	1.35	1.65	1.80	2.00	2.30
"    2 pc. 30° 24 ga.    "    "    ....	1.35	1.60	2.00	2.50		
"    2 pc. 30° 22 ga.    "    "    ....	1.95	2.40	2.90	3.35		
Size, inches.....	26	28	30	32	34	36
Galvanized Pipe, 26 ga. per ft.....	\$1.85	\$2.10	\$2.35	\$2.60	\$2.85	\$3.10
"    4 pc. 90° Elbows, each.....	6.00	7.00	8.00	9.00	10.00	11.00
"    3 pc. 60° Angles,    "    .....	4.20	4.90	5.60	6.70	7.50	8.30
"    2 pc. 45°    "    "    .....	3.40	3.95	4.55			
"    2 pc. 30°    "    "    .....	2.60	3.00	3.50	4.50	5.00	5.50

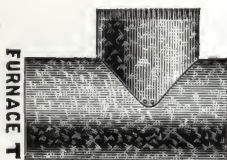


# EXCELSIOR DAMPERS, TEES AND COLLARS.

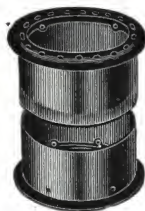
## Buy Excelsior Bonnets



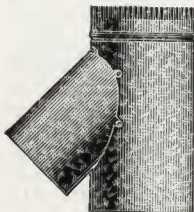
Style "B" Hot Air Damper.



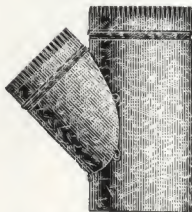
Galv. Iron Furnace Tee.



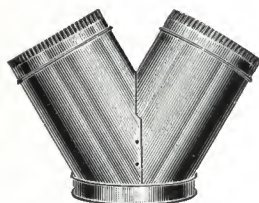
Safety Thimble.



Style A Angle Tee.



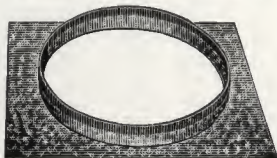
Style B Angle Tee.



Wye.

Angle Tees and Wyes are made to order and are charged for on the basis of material and labor.

## Casing Collars



Flat Cold Air Collar.



Top



Side



Pitch

Notched Casing Collars furnished if desired.

### List Price, Each.

Size, inches.....	6	7	8	9	10	12	14	16
H. A. Dampers, Style B.....	\$ .24	\$ .28	\$ .32	\$ .36	\$ .40	\$ .60	\$ .80	\$1.00
Safety Thimbles.....	1.50	1.50	2.00	2.50	3.00	3.50		
Top Casing Collars.....	.20	.20	.24	.28	.30	.36	.46	.60
Side Casing Collars.....	.32	.32	.32	.36	.40	.48	.60	.80
Pitch Casing Collars.....	.40	.40	.40	.46	.50	.60	.74	1.00
Galvanized Iron 26 ga. Tees...	1.10	1.10	1.30	1.50	1.90	2.60	2.70	3.30
Galvanized Iron 24 ga. Tees...	1.45	1.45	1.75	2.20	2.60	3.40		

N.B. Above Tees are made 15 inches long in sizes up to and including 10 inch.

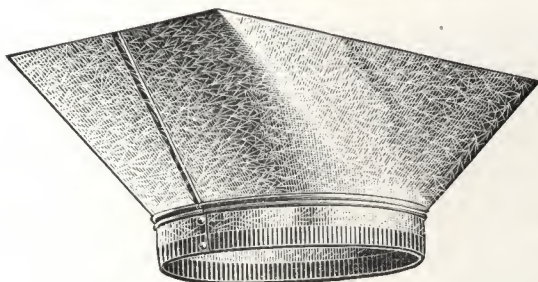
Size, inches.....	18	20	22	24	26	28	30
H. A. Dampers, Style B.....	\$1.20	\$1.40	\$1.60	\$1.80	\$2.00	\$2.20	\$2.40
Top Casing Collars.....	.76	.90	1.20	1.40	1.60	1.80	2.00
Side Casing Collars.....	1.00	1.20					
Pitch Casing Collars.....	1.26	1.80					

Note. Furnace Tees are made also in Black Iron 24 ga. at price of Galv. Iron 26 ga.

### List Price of Flat Cold Air Collars with Squares as shown below.

Size Round Collar	Size Squares	List Price	Size Round Collar	Size Squares	List Price
12 inch	14x32	\$1.75	26 inch	28x32	\$3.16
14 "	16x32	1.90	28 "	32x34	3.46
16 "	18x32	2.05	30 "	34x36	3.76
18 "	20x32	2.20	32 "	36x38	4.06
20 "	22x32	2.35	34 "	38x40	4.36
22 "	24x32	2.56	36 "	40x42	4.66
24 "	26x32	2.86			

## EXCELSIOR TRANSITION HEADS, ETC.



Cold Air Transition Head

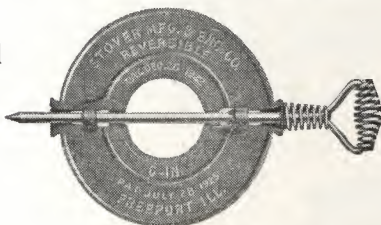
N. B. Heads furnished with flanges unless otherwise specified.

### Price List

Collar	Top	List	Collar	Top	List	Collar	Top	List
14	14x30	\$3.30	20	20x30	\$4.50	26	26x30	\$6.30
16	16x30	3.60	22	22x30	5.10	28	28x30	6.90
18	18x30	3.90	24	24x30	5.70	30	30x30	7.50

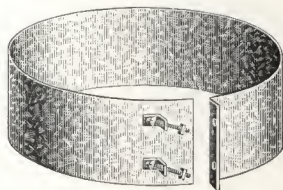
### CAST SMOKE PIPE DAMPER

One-piece Steel  
Spindle.  
Sizes 3 to 12  
inches.



For Prices  
See  
Excelsior  
Quotation  
Sheet.

GALVANIZED  
DRAW BAND  
No. 24 and 26 Ga.  
Six inches wide.



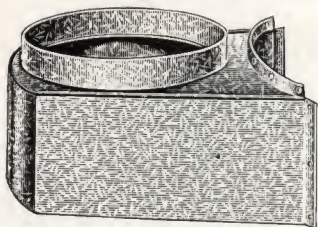
List same as one  
foot of madeup  
pipe.

See list on page 31.

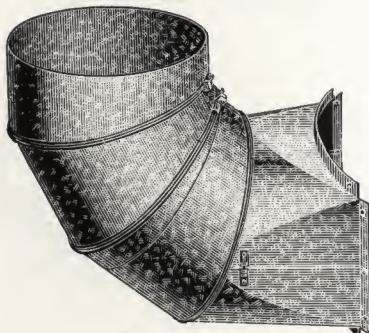
N. B.

We maintain an engineering department which prepares plans and estimates covering warm air heating installations of any size and for any purpose. We will be pleased to receive floor plans of buildings to be heated and will quote on material needed for same. We have a little booklet, "Successful Furnace Installation," which we will be glad to mail on request. It contains a large amount of information useful to beginners, including the "Excelsior Rule," for determining sizes of Pipes and Registers necessary for economical and satisfactory heating.

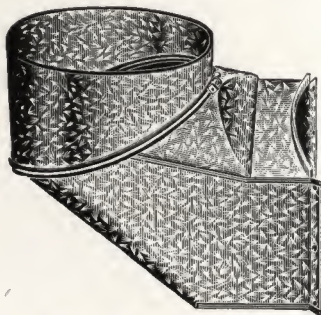
# EXCELSIOR GALVANIZED IRON COLD AIR SHOES.



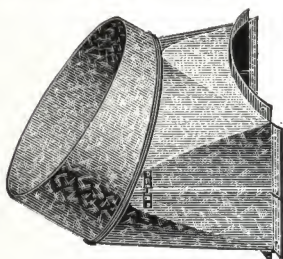
Style B Shoe.



Style E Shoe.  
(Same as Style C with 60° Adjustable Angle attached.)



Style G Shoe.

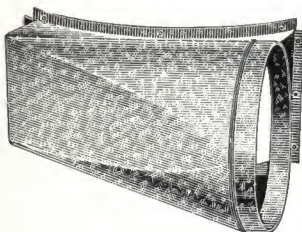


Style C Shoe.

Made with 30° Adjustable Collar.  
(Collapsible.)

Style C and E Shoes supplied in  
following sizes only:

10x16 with 14 inch Collar  
11x18½ with 16 inch Collar  
12x22 with 18 inch Collar  
13x24 with 20 inch Collar



Style D Shoe



Style F Shoe made with 45° Adjustable Collar.

## List Price, Each. (1-2-31)

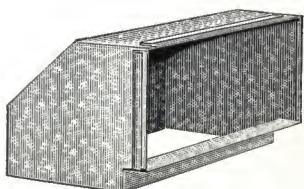
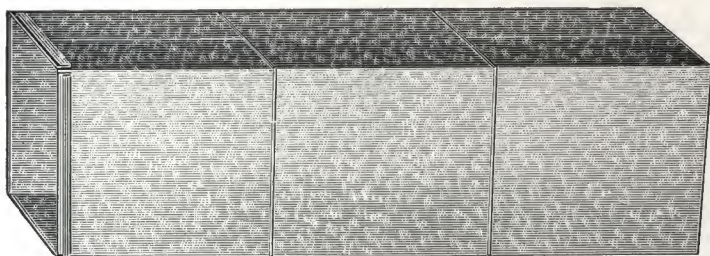
Size of Collar, inches	14	16	18	20	22	24	26	28	30
Size of Shoe, inches	10x16	10x22	11x24	12x27	12x32	12x38	13½x40	13½x46	13½x53
B, D & F Shoes.....	\$4.85	\$5.30	\$6.15	\$7.00	\$8.00	\$9.00	\$10.00	\$11.00	\$13.00
G Shoes.....	5.35	5.85	6.80	7.60	8.80	9.90	11.00	12.10	14.30
* C	3.65	4.20	4.75	5.25					
* E	5.30	6.20	7.25	8.15					

\*See sizes under cut of Style C.

In ordering Shoes state style of Shoe, diameter of Furnace Casing and size of Collar wanted. Unless diameter of casing is given we will ship Shoes cut straight across.

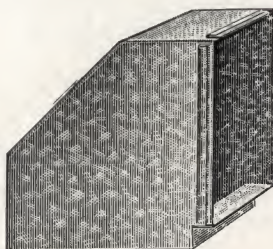


## EXCELSIOR GALVANIZED SQUARE PIPE, ELBOWS, ETC.



Style "C" Elbow.

**Buy  
Excelsior  
Bonnets**



Style "D" Elbow.

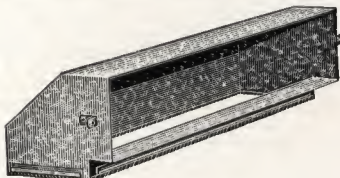
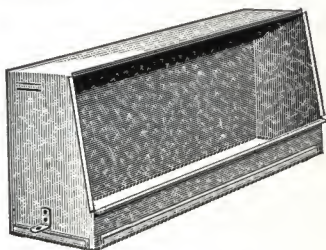
### List Prices of Square Galvanized Iron Pipe and Elbows

Size of Sq. Pipe	Relative Size of Rd. Pipe	Per foot Knocked Down	Per foot Made Up	Round Collar for Closed End	Style C Elbow	Style D Elbow	Cap for Closed End
10x16	14 in.	\$1.50	\$1.80	\$ .46	\$6.00	\$7.00	\$ .90
10x22	16 in.	1.70	2.10	.60	6.80	7.80	1.00
11x24	18 in.	1.90	2.40	.76	7.20	8.60	1.25
12x27	20 in.	2.20	2.80	.90	8.00	10.00	1.60
12x32	22 in.	2.50	3.20	1.20	9.00	11.50	1.75
12x38	24 in.	2.80	3.60	1.40	10.50	13.00	2.25

On other sizes, prices will be based on material and labor.

Galvanized square pipe and fittings are not carried in stock but made to order.

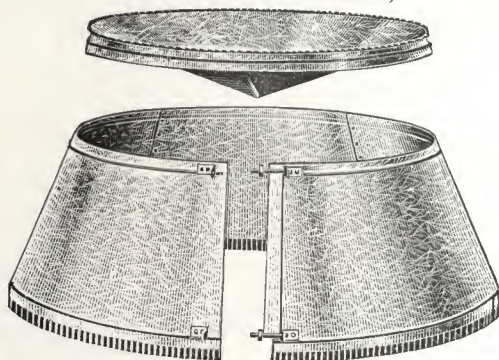
**Galvanized Iron Stack Head and Elbow  
for Cold Air Intake made to order.**



Absolutely no credit will be given for return of above goods.

# EXCELSIOR KNOCKED-DOWN BONNETS

Style F  
(Other styles also furnished)



(Patented Feb. 5, 1929, No. 1,700,838.)

Easily and quickly assembled without tools or equipment, except a screw-driver, in less than two minutes.

Exceptionally strong and rigid, even stronger than ordinary made-up bonnets.

## DIRECTIONS FOR ASSEMBLING

Place bonnet body in position shown.

Bolt two ends together, engaging only one or two threads of bottom bolt.

Place top section in position so that the bonnet body is on the outside of the flange on the top section.

Tighten top bolt. Bonnet is then ready for installation on upper casing ring at which time lower bolt is drawn up tightly. The entire labor cost of assembling should not exceed a nickel per bonnet.

## PRICES

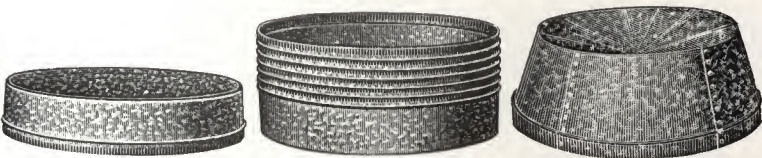
Same prices as on Excelsior Made-up Bonnets, see Excelsior quotation sheet, subject to quantity discounts and with full freight allowed to points on and east of the Mississippi and on and north of the Ohio rivers, when shipped in lots of five or more.

## NOTE

Excelsior Knocked-down Bonnets carry a very low freight rate. You obtain the benefit of this saving in freight on shipments of single Bonnets or any number.

## EXCELSIOR MADE-UP BONNETS

The great demand for Excelsior Made-up Bonnets has enabled us to build additional machinery for the manufacture of the same which has so reduced the cost of producing style "A" Bonnets that we now quote the same price on these as on style "F". Furthermore all Bonnets are now made so that those of the same size will nest, thus saving room in shipping and storage.



Style "A" Bonnet

A Nest of "A" Bonnets

Style "F" Bonnet

## Additional Styles and Sizes Made to Order

PAT. FEB. 1, '27, No. 1,615,588

On style "F" the distance from above the bead above the crimp to the top of Bonnet is  $13\frac{1}{2}$  inches and consequently Bonnets are high enough for 12-inch Pipe. If Bonnets are wanted for use with 14-inch Pipe same should be specified.

N.B. These Bonnets fit perfectly the furnace rings for which they are intended and require no adjustment. For net prices see Excelsior quotation sheet.

### Casings

We make Casings for nearly all of the leading Furnaces in the market and will be glad to quote prices on application. We can furnish galvanized iron of correct lengths and widths for many of the furnaces listed on page 38 and will be glad to quote prices on same.

### Memorandum

We can furnish Bonnets for the sizes and makes of Furnaces shown on the following page without having casing rings sent us.

### N. B.

We maintain an efficient engineering department for the preparation of plans and specifications for the installation of warm air heaters rendering such service free of cost and in addition saving our customers money thereby.



# EXCELSIOR BONNETS

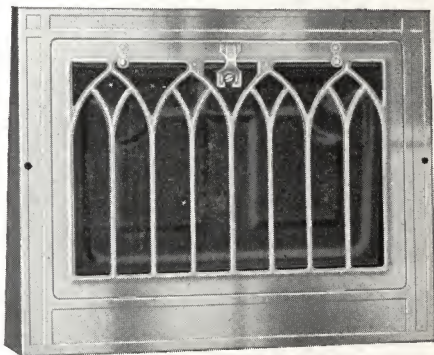
Name of Furnace	Sizes—inches	Name of Furnace	Sizes—inches
Aalco.....	36-38-40-43-44-46-48-52	Moore.....	43-48-56
Agricola.....	36-39-40-42-43-45-46	Mueller.....	35-40-42-43-46-48-52
American (Milan).....	40-44-48-52-56 [48-59]	National Success.....	42-44-46-49-52-54-58
American (Bloomington).....	42-48-50-57-62	New Genessee.....	44
American (St. Louis).....	46-52-57	New Idea.....	40-48
American Supreme.....	40-44-48-52-56	Niagara.....	36-40-44-48-54-60
Andes.....	36-40-44-48-54	O. K.....	37-40-43-46-50
Apex.....	44-46-50	Peerless.....	40-44-49
Armstrong.....	46-48-51-55-61	Peninsular.....	44-46-48-50
Athamor.....	41	Perfect.....	40-44-46-48-50-52-54
Banner.....	51-54-57	Portage.....	42-45-49-57
Ben Franklin.....	43-46	Premier.....	42-48-52-57-61
Bergstrom A Series.....	40-44-48-54	Quaker.....	46-50-54-56-60
Boomer.....	34-37-52	Ravenna.....	45-48-51-56-60
Brillion.....	39-42-46-50-52	Rival.....	40-42-45
Carton (Internat.).....	40-52	Riverside.....	44-48-52-60
Chiefton.....	38-42-44-47	Robinson Gem.....	37-38-40-44-48-52
Colburn.....	47-50-53-57-60	Round Oak Moist-Air.....	44-48-51-54-60-65
Cole.....	44-48-56-60	Round Oak Blended Iron.....	38-42-46-50-54
Colonial (Green).....	40-46-52	Round Oak Ironbilt.....	46-48-50-54-60
Cozy.....	40	Round Oak Boiler-Plate.....	48-52-54-58
Economy (International).....	40-44-48-52	Royal.....	36-38-40-46-50
Economy Wonder.....	44-48-52	Rudy.....	38-42-46-48-50-54-59
Equator.....	41-43-47	Rybolt.....	38-40-44-48-52-56-60
Essex.....	32-36-40-44	Rysteel.....	47-49-51-55-59-69
Farris.....	52	Salem.....	40-44
Faultless-Comfort.....	52	Schill.....	40-44-48-52
Favorite.....	44-49-56-62	Security.....	38-42-48-54
Floral City.....	43-47-50-55	Sterling.....	42
Floral City King.....	40-45-50-55-61	Stewart.....	32-36-42
Floral City Queen.....	38-43-48-53	Stewart A.....	40-44-50-54-65
Florence.....	44-46-50	Stewart Ruby.....	36-39-43-46-50-54
Front Rank.....	45-48-51-57	Success.....	46-49-52-54-58-62
Garland.....	40-44-48-52	Sunbeam.....	36-40-44-47-52-56-60
Gilt Edge.....	42-46-48-50-54	Sunbeam Steel.....	44-47-50-54-57½-61
Grand.....	42-46	Sundale.....	45-48
Hermetic Favorite.....	44-49-56-62 [60-62]	Sunglo.....	38-43-48-56
Home Comfort.....	38-42-45-48-51-54-55	Superb.....	42-45-48-54
Homer.....	40-42-46-49-52-54-62	Superior Type A.....	34-38-42-46-50-54-62
Ideal.....	40-42-44-48-52	Superior Type S. S.....	38-42-46-52-54-62
Jewel.....	40-44-48-52-56-60	Thatcher.....	40-44-48-50-52-54
Kelsey A&B Series.....	36-40-44-50-52-56-60	Thermo.....	42-44-46
Kelsey C Series.....	42-44-46-48	Titan.....	42-46-50
Lexington.....	38	Torrid Zone.....	45-47-51-54
Liberty Mellow.....	36-40-44-48-52-56	Trueteel.....	47-49
Lincoln.....	42-48-51-57	20th Century.....	42-45-49-53-58
Lincoln Junior.....	44	20th Century Steel.....	54-57-60-66
Lion.....	44-46-50	Unit.....	40-44-48-56
Louisville.....	40-47	Vernois.....	39
Maple City.....	44-46-48-52-54-60	Victor.....	52-54-58
Midland.....	62	Waterbury Seamless.....	46-51-54
Mid-West.....	45-48	Waterman-Waterbury.....	51-54-58
Moncrief.....	40-44-48-52-56	Weir.....	52-54-58
Moncrief Steel.....	44-47-50-54-58	Western.....	42-46
		Wiechert.....	36-40-44-48-53
		Wiechert Heavy Duty.....	52-58 [50-52-54-58]
		Williamson.....	36-38-40-41-44-45-48
		Wise.....	38-40-44-46-48-50-55-58-62

## H. & C. STEEL BASEBOARD REGISTERS.

### Class 110

(Two-pieces)

N. B. For depths of Stack Heads for Class 110 see page 10.



Gothic Design

The beauty of this new type baseboard register is enhanced by the attractive design of the face and embossed panelling around the margins of the frame. Unusual free air capacity has been secured through the unique and pleasing design of the face.

### LIST PRICES

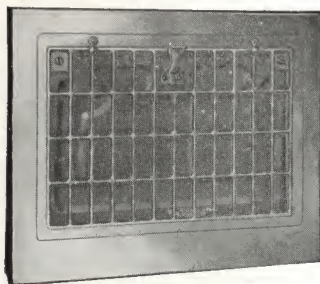
Class and Size	Free Air Capacity in inches	Size of Pipe in inches	Area of Pipe in inches	Black Japan and Plain Steel	LAB White Japan	Oxidized Copper	*Electro Plated Brass, Bronze Copper Nickel	No. in Case
111¼ { 8x10	63	8 & 9	50 & 63	\$2 00	\$2 35	\$3 50	\$3 85	24
8x12	78	9 & 10	63 & 78	2 40	2 90	3 95	4 35	24
9x12	88	10	78	2 50	3 00	4 00	4 40	24
112¼ { 8x10	63	8 & 9	50 & 63	2 00	2 35	3 50	3 85	20
8x12	78	9 & 10	63 & 78	2 40	2 90	3 95	4 35	20
9x12	88	10	78	3 00	3 50	4 50	4 90	20
113¼ { 8x12	78	10	78	3 00	3 50	4 50	4 90	18
9x12	88	10	78	3 00	3 50	4 50	4 90	18
10x12	98	10	78	4 00	4 60	5 75	6 35	16
10x13	107	10 & 12	78 & 113	4 20	5 00	6 20	7 00	16
11x13	118	12	113	4 50	5 25	6 75	7 50	16
114¾ 10x13	107	12	113	4 85	5 50	7 00	8 00	18
115¼ 11x13	118	11	113	5 25	6 00	7 50	8 25	14
12x14	149	14	154	6 50	7 50	8 50	9 50	12
117½ 12x14	149	14	154	9 00	10 00	12 00	12 50	8

\*Sand finishes 10% advance on list indicated.

Last figure and fraction in class number indicates depth of frame at base.

## H. & C. BASEBOARD REGISTERS CLASS 150.

N.B. For depths of Stack Heads required for Class 150 see page 10.



No. 150

Two-Piece Baseboard Register

### List Prices

#### CLASS NO. 151 $\frac{1}{4}$

Size, Inches	Black Japanned and Plain Steel	Oxidized Copper	*Electro-plated Brass Bronze or Nickel	LAB, White Japanned	No. in Case
8x10	\$2.00	\$3.50	\$3.85	\$2.35	24
8x12	2.40	3.95	4.35	2.90	24
9x12	2.50	4.00	4.40	3.00	24

#### CLASS NO. 152 $\frac{1}{4}$

8x10	\$2.00	\$3.50	\$3.85	\$2.35	20
8x12	2.40	3.95	4.35	2.90	20
9x12	3.00	4.50	4.90	3.50	20

#### CLASS NO. 153 $\frac{1}{4}$

10x12	\$4.00	\$5.75	\$6.35	\$4.60	16
11x13	4.50	6.75	7.50	5.25	16

#### CLASS NO. 155 $\frac{1}{4}$

11x13	\$5.25	\$7.50	\$8.25	\$6.00	14
12x14	6.50	8.50	9.50	7.50	12

\* Sand finishes 10% additional.

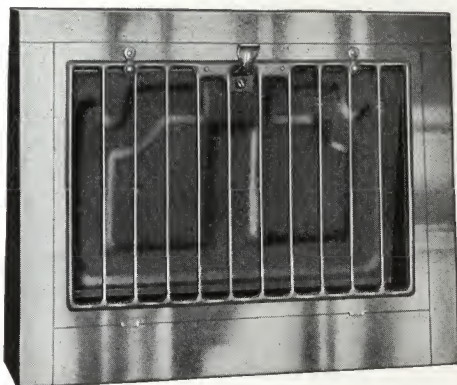
We handle the complete line of Registers and Grilles made by The Hart & Cooley Mfg. Company and can ship from Chicago or factory anything shown in their catalog. If you do not have their catalog on file we will be glad to send you a copy.



# HART & COOLEY STEEL BASEBOARD REGISTERS.

## Class 170.

N. B. For depths of Stack Heads required for Class 170 see page 10.



Large free air capacity.

Newest and most efficient Register made. Note attractive pattern and large free area of face. Made in two pieces. Last figure and fraction in class number indicates the depth of frame at base.

## LIST PRICES

Class and Size	Free Air Capacity in inches	Size of Pipe in inches	Area of Pipe in inches	Black Japan and Plain Steel	LAB, White Japan	Oxideized Copper	*Electro Plated Brass, Bronze, Copper Nickel	No. in a Case	
171¼ {	8x10	63	8 & 9	50 & 63	\$2 00	\$2 35	\$3 50	\$3 85	24
	8x12	78	9 & 10	63 & 78	2 40	2 90	3 95	4 35	24
	9x12	88	10	78	2 50	3 00	4 00	4 40	24
172¼ {	8x10	63	8 & 9	50 & 63	2 00	2 35	3 50	3 85	20
	8x12	78	9 & 10	63 & 78	2 40	2 90	3 95	4 35	20
	9x12	88	10	78	3 00	3 50	4 50	4 90	20
173¼ {	8x12	78	10	78	3 00	3 50	4 50	4 90	18
	10x12	98	10	78	4 00	4 60	5 75	6 35	16
	10x13	107	10 & 12	78 & 113	4 20	5 00	6 20	7 00	16
	11x13	118	12	113	4 50	5 25	6 75	7 50	16
174¾ {	10x13	107	12	113	4 85	5 50	7 00	8 00	18
175¼ {	11x13	118	12	113	5 25	6 00	7 50	8 25	14
	12x14	149	14	154	6 50	7 50	8 50	9 50	12
177½ {	12x14	149	14	154	9 00	10 00	12 00	12 50	8

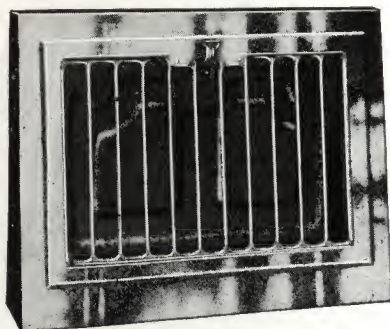
\*Sand finishes 10% advance on list indicated.

Buy Excelsior Bonnets and Save Money.

# H. & C. STEEL BASEBOARD REGISTERS

## Class 190

N. B. For depths of Stack Heads for Class 190 see page 10.



Attractive in appearance. Large free area.

Best one-piece Baseboard Register made.

Last figure and fraction in class number indicates depth of frame at base

### LIST PRICE.

Class and Size	Free Air Capacity in inches	Size of Pipe in inches	Area of Pipe in inches	Black Japan and Plain Steel	LAB White Japan	Oxidized Copper	*Electro Plated Brass, Copper, Nickel	No. in Case
191 1/4	8x10	63 8 & 9	50 & 63	\$2 00	\$ 2 35	\$ 3 50	\$ 3 85	24
	8x12	78 9 & 10	63 & 78	2 40	2 80	3 95	4 35	24
	9x12	88 10	78	2 50	3 00	4 00	4 40	24
192 1/4	8x10	63 8 & 9	50 & 63	2 00	2 35	3 50	3 85	20
	8x12	78 9 & 10	63 & 78	2 40	2 90	3 95	4 35	20
	9x12	88 10	78	3 00	3 50	4 50	4 90	20
193 1/4	8x12	78 10	78	3 00	3 50	4 50	4 90	18
	10x12	98 10	78	4 00	4 60	5 75	6 45	16
	10x13	107 10 & 12	78 & 113	4 20	5 00	6 20	7 00	16
	11x13	118 12	113	4 50	5 25	6 75	7 50	16
194 3/4	10x13	107 12	113	4 85	5 50	7 00	8 00	18
195 1/4	11x13	118 12	113	5 25	6 00	7 50	8 25	14
	12x14	149 14	154	6 50	7 50	8 50	9 50	12
†197 1/2	12x14	149 14	154	9 00	10 00	12 00	12 50	

\*Sand finishes 10% advance on list indicated.

†Made to order only.

N. B. See pages 13 to 16 for lists on Double Stack Heads, Boots, etc. to fit above Register, also pages 20 to 22 for Single Stack Heads, Boots, etc. for same.

**Buy Excelsior Bonnets and Save Money.**

# H & C CABINET REGISTER, NO. 180 SERIES

(Outside of Partition Type)

Face Sizes 10x13, Base Projection 7½"



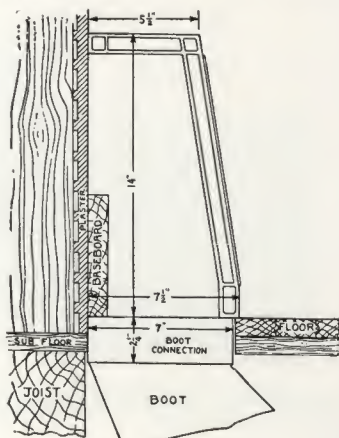
No. 187½-10x13

Register sets outside of partition against the wall permitting installation of baseboard registers in old houses without cutting beam, double joist, or wall, under partition. Boot attaches directly to register—no other fittings required. Each register packed in high grade individual carton ready for shipment.

Made in one size only—10x13 face opening, 7½" projection at base. Boot size 7x13. Air capacity 107". Overall width 16". Back is integral with body, insuring positive streak-proof installation.

## List Prices

J—Black Japanned.....	\$ 8.50
LAB—Lacquered Antique Bronze.....	9.50
W—White Japanned.....	9.50
LF—Lacquered Brass.....	9.50
N—Nickel .....	10.50
D2—Oxidized Copper.....	10.50
Oak—Oak Grain.....	10.50





## STEEL FLOOR REGISTERS, FACES AND BORDERS.

### LIST PRICE, BLACK JAPANNED AND PLAIN STEEL, EACH

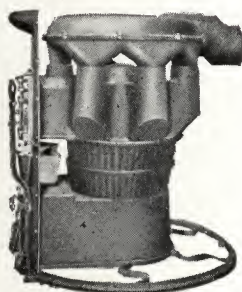
Size Opening Inches	Registers	Faces	Borders	Registers	Faces	Borders
6x 8	\$ 1.55	\$ 1.00	\$ 1.15	\$ 2.80	\$ 2.25	\$ 2.40
8x10	1.65	1.10	1.25	3.15	2.60	2.75
8x12	1.90	1.30	1.50	3.65	3.05	3.25
9x12	2.10	1.45	1.65	4.00	3.35	3.55
10x12	2.40	1.70	1.75	4.40	3.70	3.75
10x14	3.15	2.20	2.20	5.25	4.30	4.30
12x14	4.35	2.80	2.80	6.85	5.35	5.35
12x15	4.50	2.90	2.90	7.00	5.40	5.40
14x16	8.50	4.30	4.30	11.50	7.30	7.30
14x18	9.00	4.50	4.50	12.00	7.50	7.50
14x20	9.50	4.80	4.80	13.00	8.50	8.50
16x20	12.35	6.10	6.10	16.55	10.30	10.30
16x24	15.00	7.00	7.00	20.00	12.00	12.00
18x24	21.50	8.35	8.35	27.75	14.60	14.60
20x24	22.00	8.60	8.60	28.20	14.80	14.80
24x24	30.00	12.00	12.00	40.00	22.00	22.00
30x30	49.00	21.50	21.50	65.00	37.00	34.00
30x36	67.50	28.50	28.50	90.00	51.00	41.00

### LIST PRICE, ELECTRO-PLATED OXIDIZED COPPER, EACH

### LIST PRICE, NICKEL AND BRASS- PLATED, EACH

Size Opening Inches	Registers	Faces	Borders	Registers	Faces
6x 8	\$ 3.10	\$ 2.50	\$ 3.00	\$ 1.85	\$ 1.30
8x10	3.85	3.30	3.90	2.00	1.45
8x12	4.40	3.75	4.40	2.30	1.70
9x12	5.10	4.45	5.00	2.55	1.90
10x12	5.50	4.80	5.35	2.90	2.20
10x14	6.55	5.60	6.00	3.80	2.85
12x14	8.25	6.75	7.35	5.25	3.65
12x15	8.50	6.90	7.60	5.40	3.80
14x16	16.50	11.00	11.00	10.20	6.00

### LIST PRICE, WHITE JAPANNED, EACH

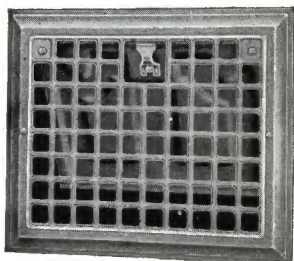


**THE EXCELSIOR ACE**

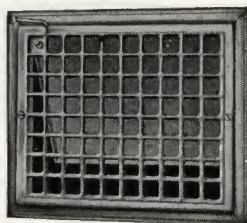
The most powerful and efficient Heater made. Catalogs and quotations on application.

## H. & C. CONVEX SIDE WALL REGISTERS.

Class No. 340. Sets Horizontally.



H. & C. Class 345 Steel Side Wall Reversible Register



Class Nos. 340, 345, 350, 370 and 390.  
List Price, Each

Size	Black Japanned	White Japanned, Oak, LAB	Oxidized Copper	Electro-plated, Bronze, Nickel, Brass.
*6x10	\$1.50	\$1.80	\$2.85	\$3.50
*6x12	1.70	2.00	3.30	3.95
8x10	1.65	2.00	3.15	3.85
8x12	1.90	2.30	3.65	4.40
9x12	2.10	2.55	4.00	5.10
10x12	2.40	2.90	4.40	5.50
†10x14	3.15	3.80	5.25	6.55

\*Made in 390 only.

†Made only in class 340 and 350.

These Registers fit the Stack Heads shown on pages 9 and 18.

Class 370

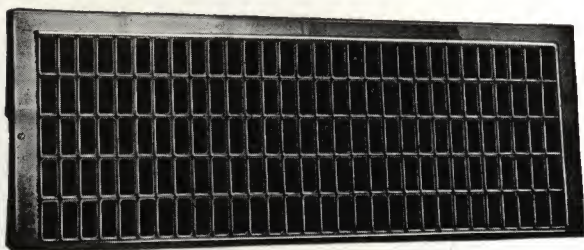


Class 390



Buy Excelsior Bonnets and Save One-Half or More.

## CLASS 605 COLD AIR BASEBOARD INTAKE.



Price List, each

Size Opening of Face	Size Opening in Wall.	For Pipe	Projection from Wall	Black Japanned	White Japanned	Oxidized Copper	*Plated Bronze. Nickel Copper	Air Capa- city sq. in.
12x14	12 <sup>3</sup> / <sub>4</sub> x14 <sup>1</sup> / <sub>2</sub>	12 in.	3 in.	\$3.00	\$3.60	\$5.00	\$5.50	110
10x30	11 x30 <sup>1</sup> / <sub>4</sub>	14-16	3	5.00	6.25	9.00	10.00	197
12x30	12 <sup>1</sup> / <sub>2</sub> x30 <sup>1</sup> / <sub>4</sub>	18	4 <sup>1</sup> / <sub>2</sub>	5.50	6.50	9.50	10.50	236
16x30	16 x30 <sup>1</sup> / <sub>4</sub>	20	6 <sup>1</sup> / <sub>2</sub>	8.50	10.00	14.00	15.00	314

\*For Sand Finishes add 10%.

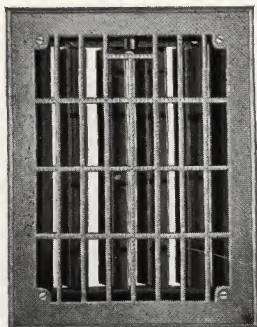
## CLASS 607 COLD AIR BASEBOARD INTAKE.



List Price, each

Size of Face Opening.	Size of Opening in Wall.	Projection from Wall.	Black Jap- anned.	White Jap- anned.	Electro- plated Oxidized Copper	*Electro- plated Bronze, Nickel, Brass	Air Capac- ity Sq. in.	For Pipe
10x14	10 <sup>1</sup> / <sub>4</sub> x14 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>2</sub> in.	\$2.50	\$3.00	\$4.50	\$4.80	115	12 in.
12x14	11 <sup>1</sup> / <sub>4</sub> x14 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>2</sub>	3.00	3.60	5.00	5.50	138	14
9x30	9 <sup>1</sup> / <sub>2</sub> x30 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>2</sub>	5.00	6.25	9.00	10.00	221	16
10x30	9 <sup>3</sup> / <sub>4</sub> x30 <sup>1</sup> / <sub>4</sub>	6	5.50	6.50	9.50	10.50	245	18
12x31	11 x31	7 <sup>1</sup> / <sub>2</sub>	7.50	8.50	12.00	13.50	305	20

\*For sand finishes add 10% to above prices.



No. 270

Pebble Register—Semi-Steel

See  
lists  
on  
page  
44



No. 200

Steel Floor Register



# H. & C. COLD AIR FACE CLASS 255 (patented.) For Floor.

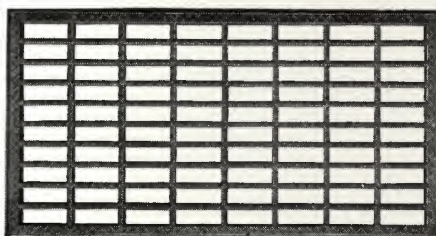


## List Prices

Size	Air Capacity sq. in.	Pipe inches	Pipe Capacity	Black Japan	Oak Finish	Oxidized Copper	Nickel, Brass, Bronze
8x30	180	14	154	\$3.60	\$3.85	\$5.50	\$7.50
10x24	180	14	154	3.60	3.75	5.00	6.50
10x30	225	16	201	3.75	4.25	5.75	8.50
12x14	126	12	113	2.50	3.00	4.50	5.00
12x24	216	16	201	3.75	4.00	5.50	8.00
12x30	270	18	254	4.00	4.50	6.00	9.00
14x30	313	20	314	4.50	5.00	9.00	11.00
16x30	360	20	314	5.50	6.00	9.50	11.25
18x30	405	22	380	5.75	6.50	10.00	11.50
20x30	450	24	452	6.00	7.00	10.50	12.00
24x30	540	26	530	9.50	10.00	15.00	20.00

For Sand finishes add 10% to above prices.

N. B. The regular discount on floor registers applies to above list. These steel faces are recommended in place of wood.



## No. 280

No. 280 Cold Air Face, made only in the sizes listed below, matches in design and finish the No. 270 Pebble Register. The weight of the face holds it in place. It can be readily removed for cleaning the cold air box.

## LIST PRICES

Opening Sizes	Used for Pipe Inches	Black Jap.	Lacq. Dull Bronze (LA5)	Opening Sizes	Used for Pipe Inches	Black Jap.	Lacq. Dull Bronze (LA5)
12x14	12	\$2.50	\$3.00	14x30	20	\$4.50	\$5.00
8x30	14	3.60	3.85	18x24	20	5.40	5.84
12x18	14	3.15	3.34	16x30	20	5.50	6.00
10x30	16	3.75	4.25	20x24	20	5.60	6.17
12x24	16	3.75	4.00	18x30	22	5.75	6.50
12x30	18	4.00	4.50	20x30	24	6.00	7.00
16x24	18	4.50	5.00	24x30	26	9.50	10.00

# Excelsior Heating Specialties cost less **INSTALLED** than any other make.



## OBLONG MESH WOOD REGISTER FACES FOR COLD AIR

Made of Oak.

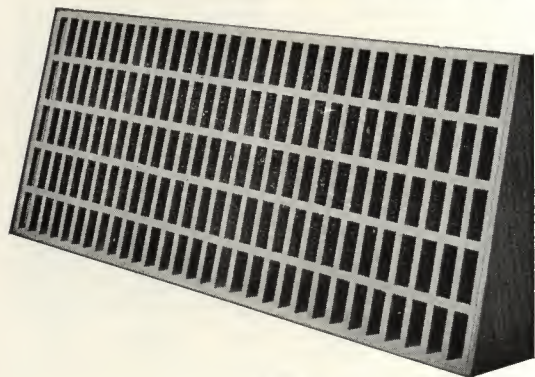
Other sizes and also Maple Faces can be furnished promptly from factory.

N. B. To determine size of face required add together the areas of the warm air pipes and select a wood face of equal capacity. Two small faces instead of one large face can be used if desired.

Price List, Dimensions, Etc.

Size.	Approximate Area of Air Space in Square Inches.	Nearest Size of Round Pipe of Equivalent Area.	List Price.	Size.	Approximate Area of Air Space in Square Inches.	Nearest Size of Round Pipe of Equivalent Area.	List Price.	Size.	Approximate Area of Air Space in Square Inches.	Nearest Size of Round Pipe of Equivalent Area.	List Price.
8x30	125	12 in.	\$1.67	14x36	302	18 in.	\$3.50	20x30	312	20 in.	\$4.17
10x30	156	14 in.	2.08	14x46	403	22 in.	4.50	20x36	432	22 in.	5.00
12x14	100	10 in.	1.17	14x48	350	22 in.	4.67	22x30	343	20 in.	4.60
12x24	172	14 in.	2.00	16x20	166	14 in.	2.22	24x30	374	20 in.	5.00
12x30	187	14 in.	2.50	16x24	200	16 in.	2.67	24x36	449	24 in.	6.00
12x36	259	18 in.	3.00	16x30	250	16 in.	3.33	26x30	406	22 in.	5.42
12x48	300	20 in.	4.00	16x48	460	24 in.	5.33	28x30	437	22 in.	5.83
14x14	117	12 in.	1.36	18x24	259	18 in.	3.00	30x30	468	24 in.	6.25
14x18	151	12 in.	1.75	18x30	281	18 in.	3.75	30x36	562	26 in.	7.50
14x20	146	12 in.	1.94	18x36	337	20 in.	4.50	30x72	1296		15.00
14x24	175	14 in.	2.33	20x20	208	16 in.	2.78	36x36	674	28 in.	9.00
14x30	218	16 in.	2.92	20x24	250	16 in.	3.33	36x72	1123		18.00

## WOOD BASEBOARD FACES FOR COLD AIR



Particularly adaptable where it is impractical or objectionable to make a floor installation, or where it is advisable to take cold air from adjoining rooms.

This style face is made in four sizes only as follows:

Size	Base Ex-tends in.	Pipe Capacity in.	List Price
9x32	3	14	\$3 50
12x32	4 1/2	16	4 50
14x32	5 1/2	18	5 50
16x32	6 1/2	20	7 00

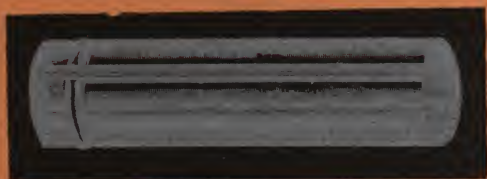
Style 50-D

48





# *Brighten Up!*



The modern home demands color and beauty, even in the kitchen. Enameled stoves and refrigerators must match brightly-painted walls and woodwork. Floor coverings must also correspond.

To meet this new demand Excelsior presents Aluminum Pipe and Elbows. Display a few samples prominently in your windows and on your counters. They will create interest and lead to inquiry and sales.



Aluminum Pipe and Elbows will last indefinitely. Gas fumes seemingly have absolutely no effect on Aluminum.

Aluminum Pipe and Elbows should not be installed in connection with heaters using fuels other than gas.

Excelsior Aluminum Pipe and Elbows are of the finest materials and workmanship, fully measuring up to the high standard existing in our lines.

Aluminum goods will stand a temperature of 500°.